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**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

RECEIVED

MAR 15 2005

FORM 3

DIV. OF OIL, GAS AND MINING AMENDED REPORT ☐  
(highlight changes)

**APPLICATION FOR PERMIT TO DRILL**

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: STUO-1194-AST	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY, L.P.		8. UNIT or CA AGREEMENT NAME: 891008900A / Natural Buttes	
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078		9. WELL NAME and NUMBER: NBU 921-34L	
PHONE NUMBER: 781-7060		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2586' FSL 379' FWL 624206X 39.991889 AT PROPOSED PRODUCING ZONE: 4427661Y -109.545152		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 16.6 MILES SOUTHEAST OF OURAY, UTAH		12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 379'	16. NUMBER OF ACRES IN LEASE: 1292.39	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C	19. PROPOSED DEPTH: 9,625	20. BOND DESCRIPTION: STATE SURETY RLB0005236	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5007.3' UNGRADED GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION: TO BE DETERMINED	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	9 5/8" 32.3# H-40, STC	2,500	PREM CMT 265 SX 1.18 15.6
7 7/8"	4 1/2" 11.6# I-80, LTC	9,625	PREM LITE II 510 SX 3.38 11.0
			50/50 POZ G 1390 SX 1.31 14.3

**ATTACHMENTS**

25. VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER        | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) DEBRA DOMENICITITLE ENVIRONMENTAL ASSISTANTSIGNATURE Debra DomeniciDATE 3/11/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36388

APPROVAL:

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 05-10-05By: [Signature]

**T9S, R21E, S.L.B.&M.**

**WESTPORT OIL AND GAS COMPANY, L.P.**

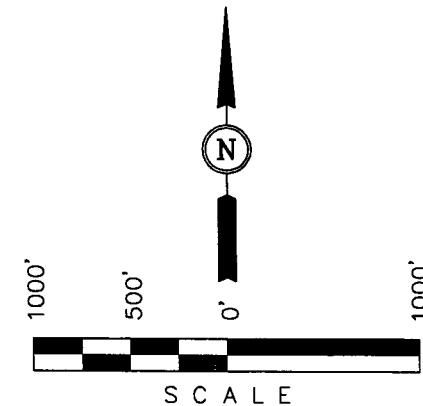
Well location, NBU #921-34L, located as shown in the NW 1/4 SW 1/4 of Section 34, T9S, R21E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



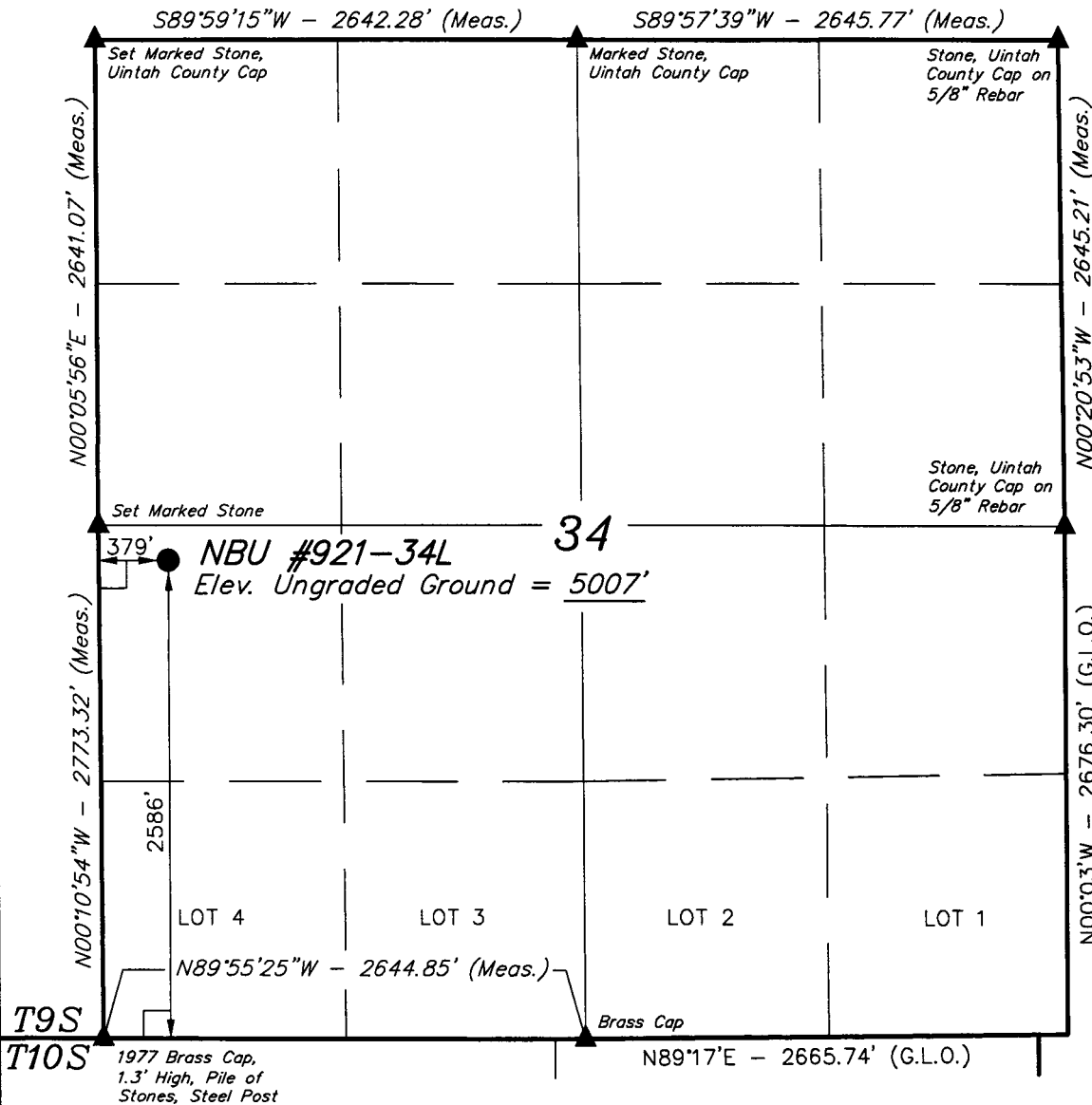
**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert A. Hays*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 16139  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

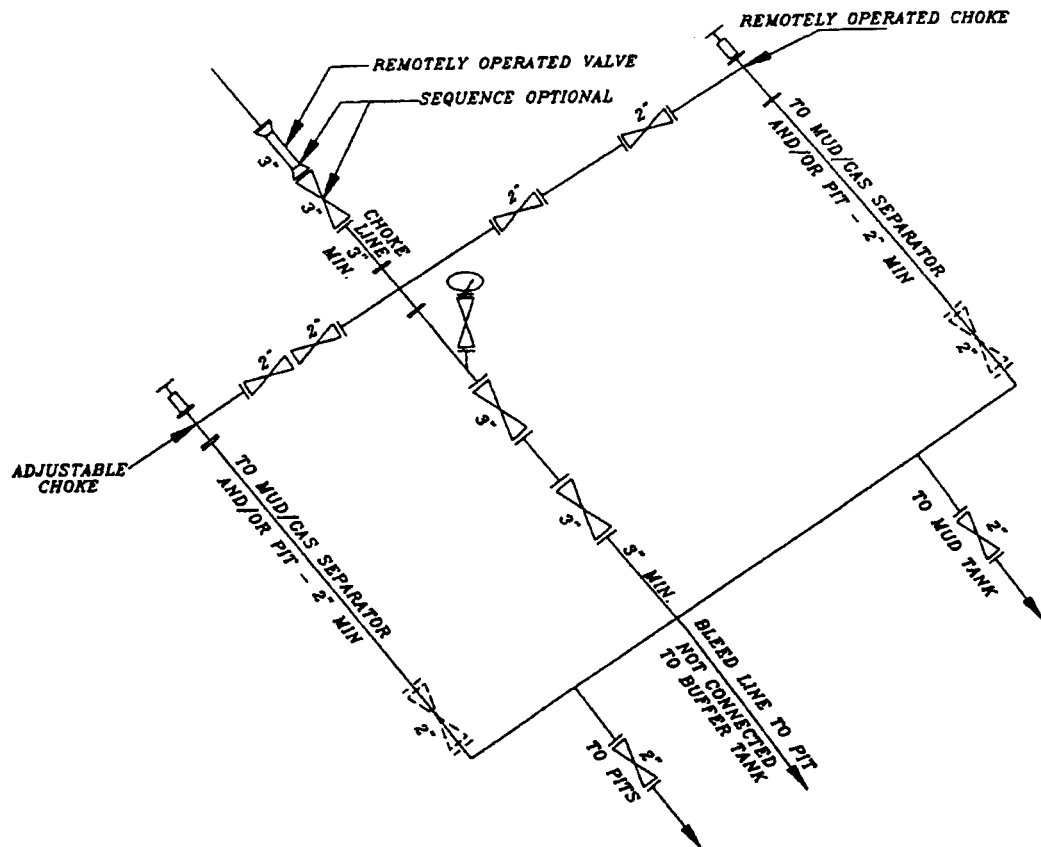
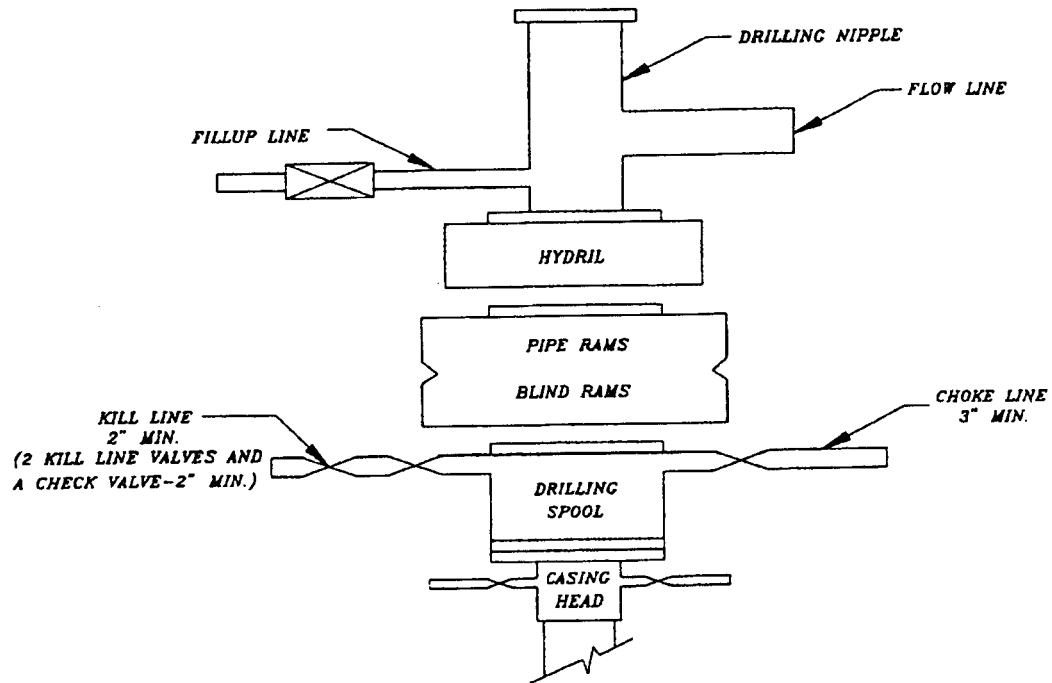
SCALE 1" = 1000'		DATE SURVEYED: 01-12-05	DATE DRAWN: 01-24-05
PARTY D.K. T.B. P.M.		REFERENCES G.L.O. PLAT	
WEATHER COLD		FILE WESTPORT OIL AND GAS COMPANY, L.P.	



- LEGEND:**
- └─┘ = 90° SYMBOL
  - = PROPOSED WELL HEAD.
  - ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 39°59'31.22" (39.992006)  
 LONGITUDE = 109°32'45.22" (109.545894)  
 (NAD 27)  
 LATITUDE = 39°59'31.35" (39.992042)  
 LONGITUDE = 109°32'42.74" (109.545206)

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**Westport Oil and Gas Company, L.P.**

## DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.		DATE	April 21, 2005	
WELL NAME	NBU 921-34L		TD	9,625'	MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah
				ELEVATION	5,032' GL KB 5,047'
SURFACE LOCATION	NWSW SECTION 34-T9S-R21E 2586'FSL & 379'FWL				BHL Straight Hole
	Latitude:	39.992006	Longitude:	109.545894	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), Tri-County Health Dept.				

GEOLOGICAL FORMATION			HOLE SIZE	MECHANICAL CASING SIZE	MUD WEIGHT
LOGS	TOPS	DEPTH			
		40'		14"	
Catch water sample, if possible, from 0 to 5,180'			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2300' app 10 jts of 36# J55 will be run on bottom		
Green River @ Preset f/ GL @ 2500 MD		1,585'			
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Air Mist/Polymer Aerated Water/Brine 8.3-11.5 ppg
Wasatch @		5,180'			
Mverde @		7,525'			
TD @		9,625'			Max anticipated Mud required 11.5 ppg



Westport Oil and Gas Company, L.P.  
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL		WT.	GR.	CPLG.	DESIGN FACTORS		
							BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'					2270	1370	254000
SURFACE	9-5/8"	0	to 2100	32.30	H-40	STC		1.39	3.59
	9-5/8"	2100	to 2500	36.00	J-55	STC	3520	2020	564000
PRODUCTION	4-1/2"	0	to 9625	11.60	I-80	LTC	7780	6350	201000
							2.14	1.10	2.06

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.5 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoym.Fact. of water)

MASP 3638 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
NOTE: If well will circulate water to surface, option 2 will be utilized							
SURFACE Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,675'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	11.00	3.38
	TAIL	4,950'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1390	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: Brad Laney

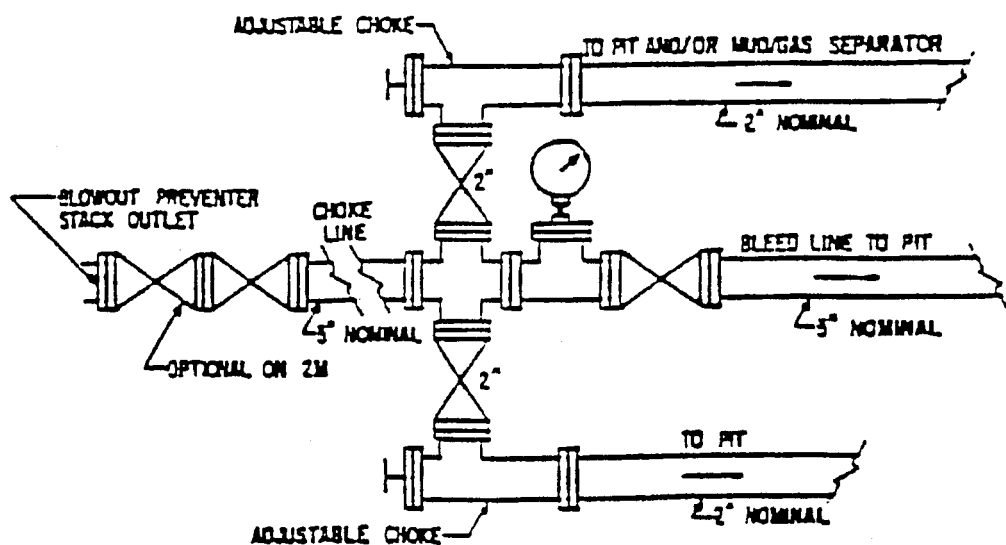
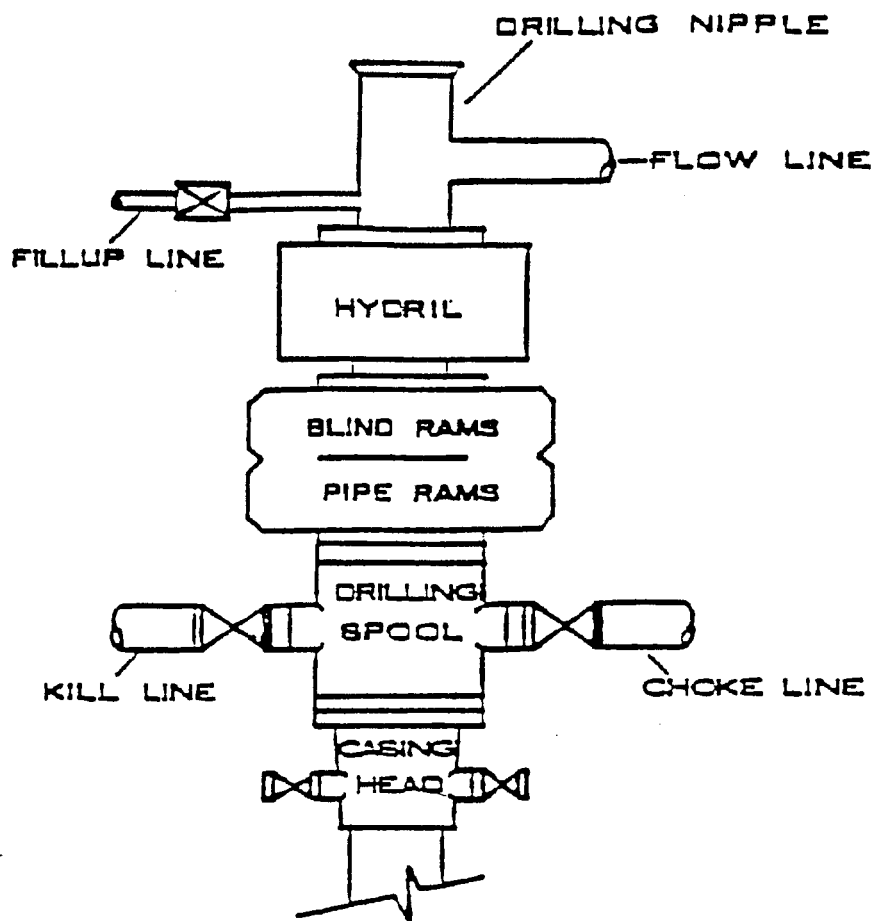
DRILLING SUPERINTENDENT: Randy Bayne

DATE:

DATE:

3,000 PSI

## EOP STACK



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

March 18, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2005 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2005 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
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(Proposed PZ Mesaverde)

43-047-36388	NBU 921-34L	Sec 34 T09S R21E 2586 FSL 0379 FWL
43-047-36389	NBU 921-34K	Sec 34 T09S R21E 2543 FSL 2274 FWL
43-047-36390	NBU 921-34H	Sec 34 T09S R21E 2163 FNL 0839 FEL
43-047-36391	NBU 921-33F	Sec 33 T09S R21E 1797 FNL 1844 FWL
43-047-36392	NBU 921-33G	Sec 33 T09S R21E 1713 FNL 1754 FEL
43-047-36393	NBU 921-33I	Sec 33 T09S R21E 2240 FSL 0878 FEL
43-047-36394	NBU 921-33J	Sec 33 T09S R21E 2113 FSL 1951 FEL
43-047-36395	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-36396	NBU 921-33P	Sec 33 T09S R21E 0885 FSL 0719 FEL
43-047-36397	NBU 922-36C	Sec 36 T09S R22E 0720 FNL 1768 FWL
43-047-36398	NBU 922-36G	Sec 36 T09S R22E 2471 FNL 2464 FEL
43-047-36399	NBU 922-36H	Sec 36 T09S R22E 2546 FNL 1059 FEL
43-047-36400	NBU 922-36N	Sec 36 T09S R22E 0059 FSL 2066 FWL
43-047-36401	NBU 922-36O	Sec 36 T09S R22E 1202 FSL 2116 FEL
43-047-36402	NBU 1022-12I	Sec 12 T10S R22E 2297 FSL 1046 FEL
43-047-36403	NBU 1022-12P	Sec 12 T10S R22E 1083 FSL 0462 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

NBU #921-34L  
NWSW Sec. 34, T9S-R21E  
Uintah County, UT  
STUO-1194-AST

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

**1. Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

**2. Planned Access Roads:**

Approximately 0.2 miles of new access road is proposed. Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

***Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities will be determined at the on-site.***

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

**3. Location of Existing Wells Within a 1-Mile Radius**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities & Pipelines**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes



will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Approximately 4900' of high pressure and 850' of low pressure up to 8" pipeline is proposed. The pipeline will be butt-welded together. Refer to Topo D for the proposed pipeline.

**5. Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

**7. Methods of Handling Waste Materials**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner and felt will be used, it will be a minimum of 16 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

**8. Ancillary Facilities**

None are anticipated.

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

#### 10. **Plans for Reclamation of the Surface:**

##### *Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

##### *Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

**11. Surface Ownership:**

SITLA  
675 East 500 South, Suite 500  
Salt Lake City, UT 84102

**12. Other Information:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when it is received by our office.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

**13. Lessee's or Operators's Representative & Certification:**

Debra Domenici  
Environmental Assistant  
Westport O&G Co.  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7060

Randy Bayne  
Drilling Operations Manager  
Westport O&G Co.  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

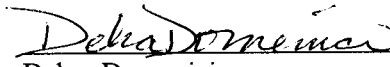
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O&G Co. is considered to be the operator of the subject well. Westport O&G Co. agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005236.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Debra Domenici

3/11/05  
Date

NBU #921-34L  
NWSW SECTION 34-T9S-R21E  
UINTAH COUNTY, UTAH  
LEASE NUMBER: STUO-1194-AST

ONSHORE ORDER NO. 1  
WESTPORT OIL & GAS COMPANY

***DRILLING PROGRAM***

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1585'
Wasatch	5180'
Mesa Verde	7525'
Total Depth	9625'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1585'
Gas	Wasatch	5180'
	Mesa Verde	7525'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment:**

*Please refer to the attached Drilling Program.*

4. **Proposed Casing & Cementing Program:**

*Please refer to the attached Drilling Program.*

5. **Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

6. **Evaluation Program:**

*Please refer to the attached Drilling Program.*

**7. Abnormal Conditions:**

Maximum anticipated bottomhole pressure at 9625' TD approximately equals 3850 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1732.5 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

**8. Anticipated Starting Dates & Notification of Operations:**

*Please refer to the attached Drilling Program.*

**9. Variances:**

*Please refer to the attached Drilling Program.*

**10. Other Information:**

*Please refer to the attached Drilling Program.*

**Westport Oil and Gas Company, L.P.**

## DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.	DATE	March 1, 2005
WELL NAME	<b>NBU 921-34L</b>	TD	9,625' MD/TVD
FIELD	LOVE	COUNTY	Uintah
		STATE	Utah
		ELEVATION	5,005' GL KB 5,020'
SURFACE LOCATION	NWSW SECTION 34-T9S-R21E 2586'FSL & 379'FWL		BHL <u>Straight Hole</u>
	Latitude: 39.992042	Longitude: 109.545206	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: UTDGDM, (SURF & MINERALS), Tri-County Health Dept.		

GEOLOGICAL FORMATION			HOLE SIZE	MECHANICAL CASING SIZE	MUD WEIGHT
LOGS	TOPS	DEPTH			
		40'		14"	
Catch water sample, if possible, from 0 to 5,180'			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Green River @ 1,585 Preset f/ GL @ 2500 MD					
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Air Mist/Polymer Aerated Water/Brine 8.3-10.0 ppg
Wasatch @ 5,180'					
Mverde @ 7,525'					
TD @ 9,625'				Max anticipated Mud required 10.0 ppg	





# Westport Oil and Gas Company, L.P. DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2500	32.30	H-40	STC	0.79***** 7780	1.17 6350	3.59 201000
PRODUCTION	4-1/2"	0 to 9625	11.60	I-80	LTC	2.69	1.27	2.06

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))  
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)  
 (Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing \* Buoy. Fact. of water)  
 MASP 2888 psi

\*\*\*\*\* Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

## CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,675'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	11.00	3.38
	TAIL	4,950'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1390	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER:

Brad Laney

DATE:

DRILLING SUPERINTENDENT:

Randy Bayne

DATE:

# WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-34L

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 34, T9S, R21E, S.L.B.&M.

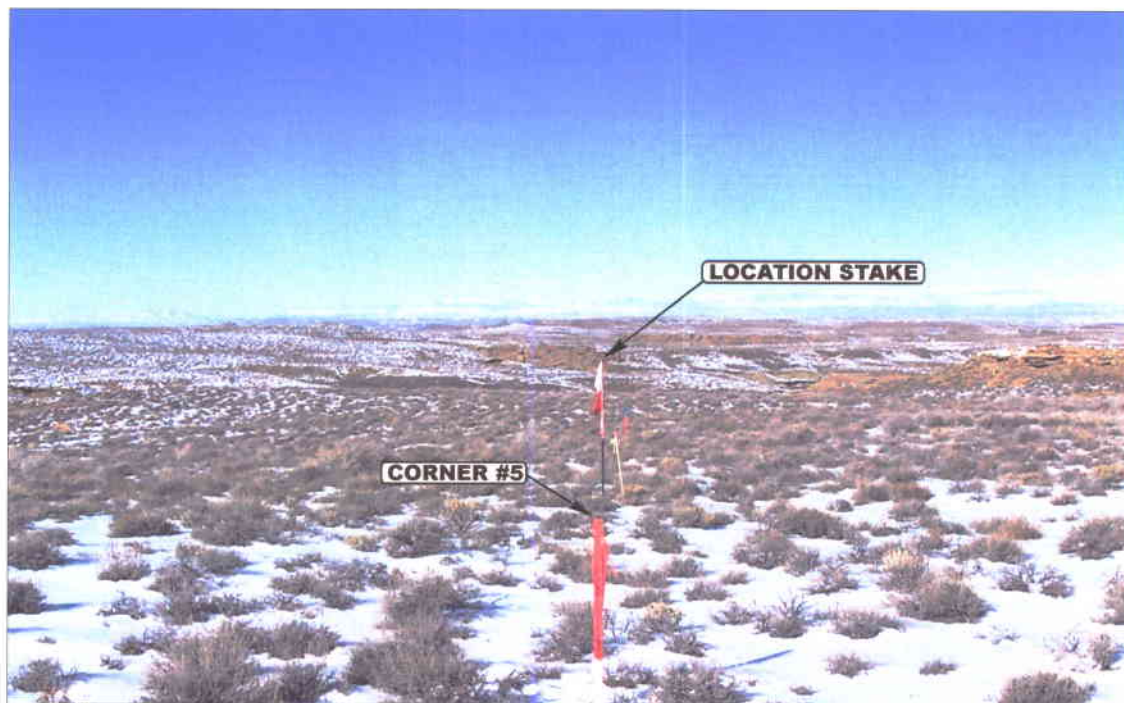


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**LOCATION PHOTOS**

**01 18 05**  
MONTH DAY YEAR

**PHOTO**

TAKEN BY: D.K.

DRAWN BY: L.K.

REVISED: 00-00-00

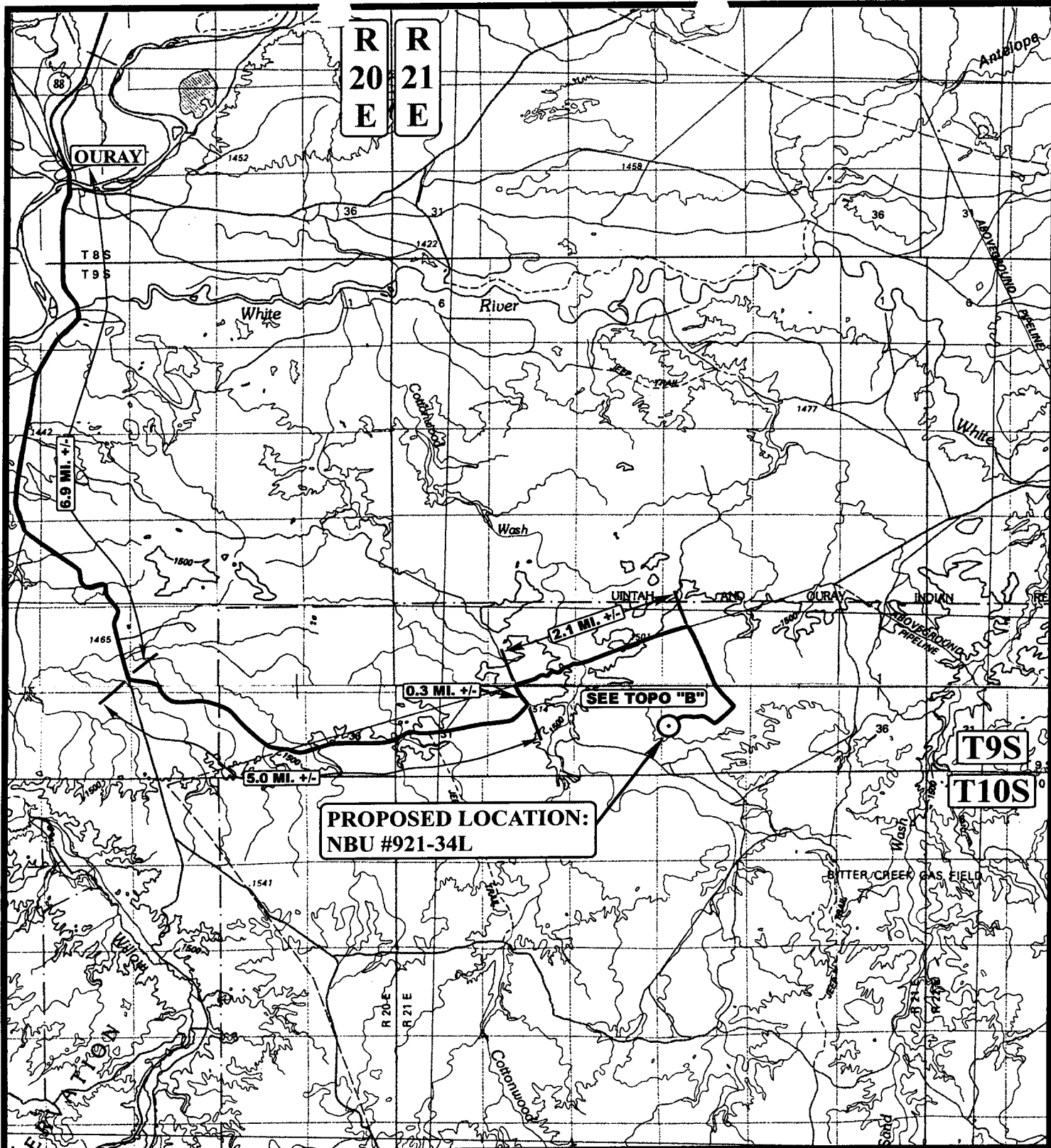
# WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-34L

SECTION 34, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.6 MILES.



# **LEGEND:**

○ PROPOSED LOCATION



**WESTPORT OIL AND GAS COMPANY, L.P.**

**NBU #921-34L**

**SECTION 34, T9S, R21E, S.L.B.&M.**

**2586' FSL 379' FWL**



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**01 18 05**  
MONTH DAY YEAR

**SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00**



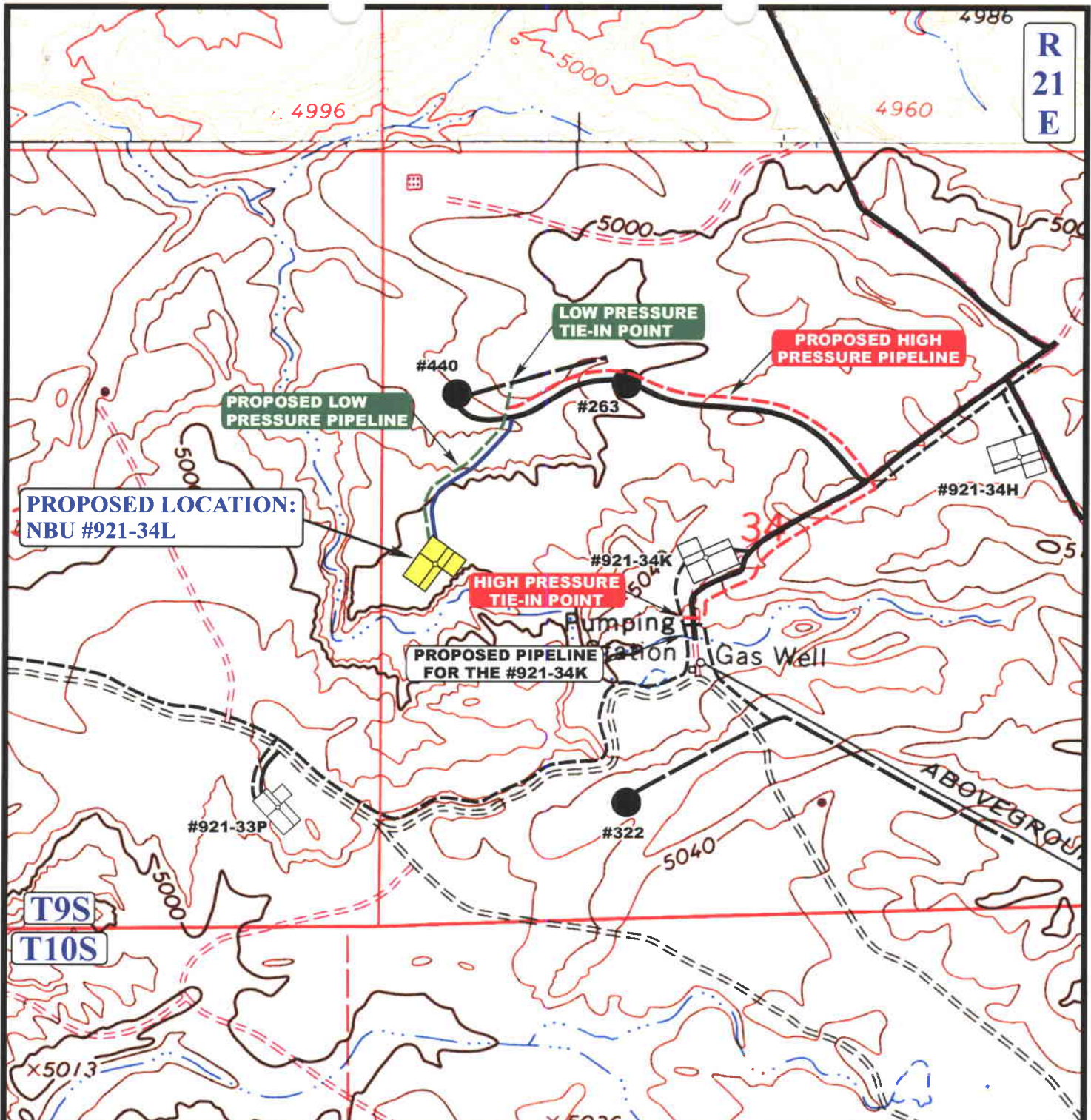












APPROXIMATE TOTAL LOW PRESSURE PIPELINE DISTANCE = 850' +/-  
 APPROXIMATE TOTAL HIGH PRESSURE PIPELINE DISTANCE = 4900' +/-

#### LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - PROPOSED HIGH PRESSURE PIPELINE
- - - - PROPOSED LOW PRESSURE PIPELINE

N

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-34L

SECTION 34, T9S, R21E, S.L.B.&M.

2586' FSL 379' FWL



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

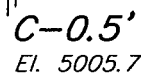
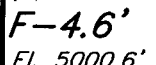
**01 18 05**  
 MONTH DAY YEAR



SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00

**FIGURE #1**

**F-8.1'**  
El. 4997.1'



**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #2

## TYPICAL CROSS SECTIONS FOR

NBU #921-34L

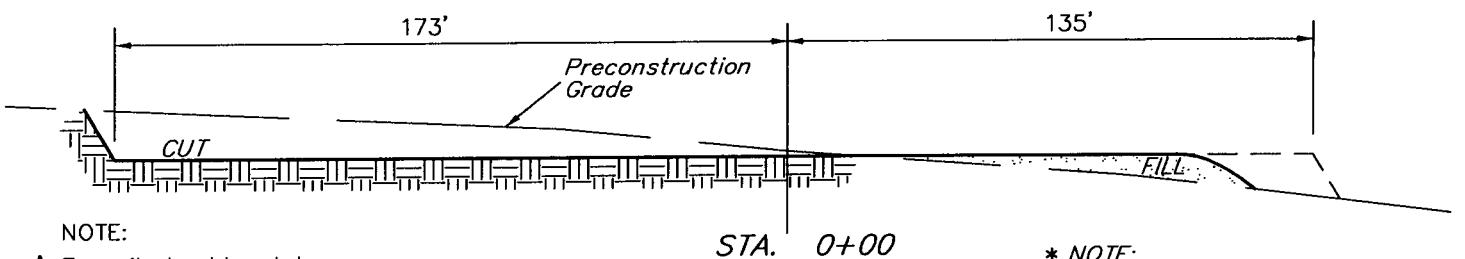
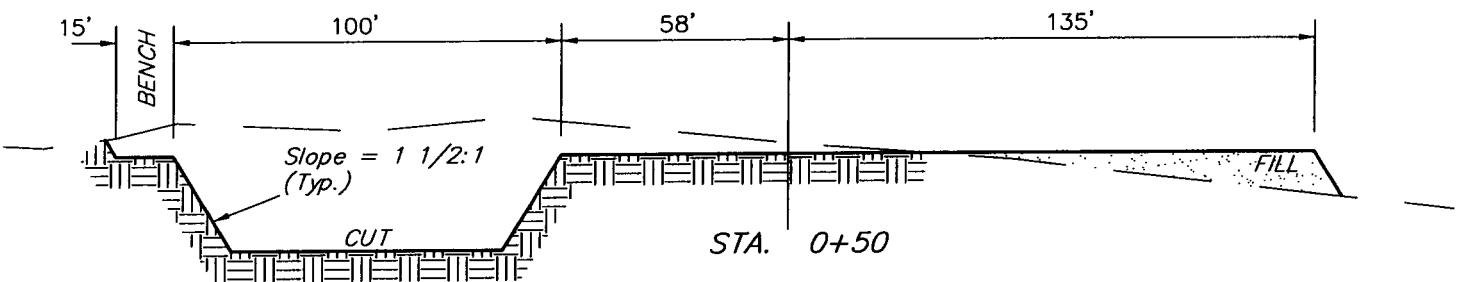
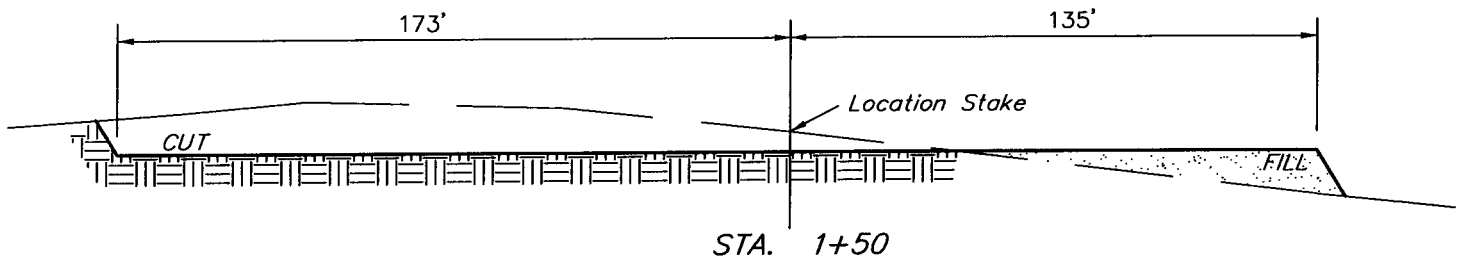
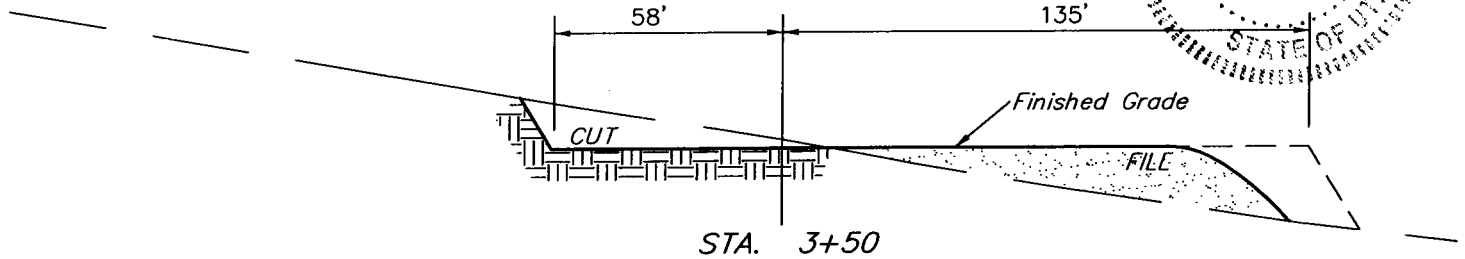
SECTION 34, T9S, R21E, S.L.B.&M.

2586' FSL 379' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 01-24-05

Drawn By: P.M.



### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT  
(6") Topsoil Stripping = 1,840 Cu. Yds.  
Remaining Location = 8,810 Cu. Yds.  
TOTAL CUT = 10,650 CU.YDS.  
FILL = 6,670 CU.YDS.

EXCESS MATERIAL = 3,980 Cu. Yds.  
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,980 Cu. Yds.  
EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

**OPERATOR:** WESPORT OIL AND GAS COMPANY, L.P.

**WELL NAME & NUMBER:** NBU 921-34L

**API NUMBER:** 43-047-36388

**LEASE:** STUO-1194-AST      **FIELD/UNIT:** Natural Buttes

**LOCATION:** 1/4, 1/4 SENW Sec: 33 TWP: 9S RNG: 21E 379' FWL 2586' FSL

**LEGAL WELL SITING:** 460 from the unit boundary or uncommitted tracts.

**GPS COORD (UTM):** GPS not working      **SURFACE OWNER:** STATE OF UTAH

**PARTICIPANTS**

Dan J. Jarvis (DOGM), DEBRA DOMENICI (WESTPORT). Robert KAY (UELS).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

The regional setting is generally badlands type topography. Flat mesas with deep cut washes and draws are the predominate features. This site is an area of low rolling hills and shallow draws. No major drainages are in the immediate area of the location. Ouray Utah is approximately 17 miles to the northwest of the location. Cottonwood wash is the major drainage in the area and is approximately 1 mile away. Cottonwood wash is a dry watercourse for most of the year.

**SURFACE USE PLAN**

**CURRENT SURFACE USE:** Wildlife and livestock grazeing and sport hunting.

**PROPOSED SURFACE DISTURBANCE:** location will be 350' by 293'. Approximately .2 mile of new access road will be built.

**LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS:** See attached map from GIS Database.

**LOCATION OF PRODUCTION FACILITIES AND PIPELINES:** All production facilities will be on location and constructed after drilling the well. The pipeline will follow the access road.

**SOURCE OF CONSTRUCTION MATERIAL:** All construction material will be borrowed from site during the construction of the location.

**ANCILLARY FACILITIES:** None will be required.

**WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN):** UNLIKELY.

**WASTE MANAGEMENT PLAN:**

Drilled cuttings will be allowed to settle to the bottom of the reserve pit. Liquids from the pit will be allowed to evaporate. Formation water will be confined to storage tanks. Sewage facilities, storage and

general waste disposal will be handled by a commercial contractor. Trash will be contained in trash baskets and hauled to an approved landfill.

### **ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sagebrush, Shad scale, Prickly Pear, Cheat Grass, Antelope, Coyotes, Songbirds, Raptors, Rodents, Rabbits.

SOIL TYPE AND CHARACTERISTICS: Light brown sandy clay.

SURFACE FORMATION AND CHARACTERISTICS: Uinta formation consisting of shales and sandstones. There are no ledges or outcrops on this location, the surface formation in very close to the surace, the pit will most likely be built in rock.

EROSION/SEDIMENTATION/STABILITY: Very little natural erosion. Sedimentation and stability are not a problem. Construction of the location will not increase any erosion problems.

PALEONTOLOGICAL POTENTIAL: None observed

### **RESERVE PIT**

CHARACTERISTICS: 100' BY 150' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A plastic liner will be required based on the ranking form, Westport will line the pit with felt and a 20 mil liner as per company policy.

### **SURFACE RESTORATION/RECLAMATION PLAN**

As per SITLA.

SURFACE AGREEMENT: As per SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: The site has been surveyed by an archeological consulting firm. No archeological sites were found. A report of this investigation will be placed on file.

### **OTHER OBSERVATIONS/COMMENTS**

This presite was conducted on a partly cloudy day with a light breeze. The ground was clear of all snow cover.

### **ATTACHMENTS**

Photo taken and placed in file.

Dan Jarvis  
DOGM REPRESENTATIVE

4/5/2005  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      20      (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.  
Sensitivity Level II = 15-19; lining is discretionary.  
Sensitivity Level III = below 15; no specific lining is required.

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** WESTPORT OIL AND GAS COMPANY, L.P.  
**WELL NAME & NUMBER:** NBU 921-34L  
**API NUMBER:** 43-047-36388  
**LOCATION:** 1/4,1/4 NW/SW Sec: 34 TWP: 9S RNG: 21E 379' FWL 2586' FSL

**Geology/Ground Water:**

Westport proposes to set 2,500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,400'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 34. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water.

**Reviewer:** Dan Jarvis **Date:** 4/5/2005

**Surface:**

The predrill investigation of the surface was performed on 4/30/2005. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 3/22/05. Neither agency were in attendance. . This site is on State surface with State minerals. This site appears to be the best site for a location in the immediate area. .

**Reviewer:** Dan Jarvis **Date:** 4/5/2005

**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 20 mils and a felt subliner shall be properly installed and maintained in the reserve pit.
2. The entire pad shall be bermed to prevent any fluids from leaving the location.



**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 4/6/2005 4:10:32 PM  
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas Company

NBU 921-33F  
NBU 921-33G  
NBU 921-33I  
NBU 921-33J  
NBU 921-33K  
NBU 921-33P  
NBU 921-34H  
NBU 921-34K  
NBU 921-34L  
NBU 1022-12I  
NBU 1022-12P  
State 1021-36A  
State 1021-36B  
State 1021-36G  
State 1021-36H  
State 1021-36I  
State 1021-36J  
State 1021-36O  
State 1021-36P

If you have any questions regarding this matter please give me a call.

**CC:** Garrison, LaVonne; Hill, Brad; Hunt, Gil

003

**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/15/2005

API NO. ASSIGNED: 43-047-36388

WELL NAME: NBU 921-34L

OPERATOR: WESTPORT OIL &amp; GAS CO ( N2115 )

CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

## PROPOSED LOCATION:

NWSW 34 090S 210E

SURFACE: 2586 FSL 0379 FWL

BOTTOM: 2586 FSL 0379 FWL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 3 - State

LEASE NUMBER: STUO-1194-AST

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DUCU	5/9/05
Geology		
Surface		

LATITUDE: 39.99189

LONGITUDE: -109.5452

## RECEIVED AND/OR REVIEWED:

- ☒ Plat
- ☒ Bond: Fed[] Ind[] Sta[] Fee[]  
 (No. RLB0005236 )
- ☒ Potash (Y/N)
- ☒ Oil Shale 190-5 (B) or 190-3 or 190-13
- ☒ Water Permit  
 (No. 43-8496 )
- ☒ RDCC Review (Y/N)  
 (Date: )
- ☒ Fee Surf Agreement (Y/N)

## LOCATION AND SITING:

- ☐ R649-2-3.
- Unit NATURAL BUTTES
- ☐ R649-3-2. General  
 Siting: 460 From Qtr/Qtr & 920' Between Wells
- ☐ R649-3-3. Exception
- ☒ Drilling Unit  
 Board Cause No: 173-14  
 Eff Date: 12-2-1999  
 Siting: 460' Fruberg & Uncomm. Tract
- ☐ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (3/30/05 DJ.)

STIPULATIONS:

① Oil Shale

2- STATEMENT OF BASIS





**Clinton Dworshak - Westport APD(s)**

---

**From:** "Upchego, Sheila" <SUpchego@kmg.com>  
**To:** <clintondworshak@utah.gov>  
**Date:** 4/21/2005 4:27 PM  
**Subject:** Westport APD(s)

---

Hi Clint, attached are the revised Downhole diagrams for the following well locations:

NBU 921-33F, 921-33G, 921-33I, 921-33J, 921-33K, 921-33P, 921-33O, 921-33N;  
NBU 921-34H, 921-34K, 921-34L;  
NBU 922-36B

If you have any questions please feel free to contact me at (435) 781-7024 or Brad Laney at (435) 781-7031.

Sheila Upchego <<NBU921-33F\_APD(pipeline).xls>> <<NBU921-33G\_APD(pipeline).xls>> <<NBU921-33I\_APD(pipeline).xls>>  
<<NBU921-33J\_APD(pipeline).xls>> <<NBU921-33K\_APD(pipeline).xls>> <<NBU921-33P\_APD(pipeline).xls>> <<NBU921-  
34H\_APD(pipeline).xls>> <<NBU921-34K\_APD(pipeline).xls>> <<NBU921-34L\_APD(pipeline).xls>> <<NBU921-33O\_APD  
(pipeline).xls>> <<NBU921-33N\_APD(pipeline).xls>> <<NBU922-36B\_DHD\_APD.xls>>

**Important Notice!!**

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Please let me know immediately by return e-mail if you have received this message by mistake,  
then delete the e-mail message.

Thank you.

Well name:	<b>04-05 Westport NBU 921-34L</b>	
Operator:	<b>Westport Oil &amp; Gas</b>	Project ID:
String type:	Surface	43-047-36388
Location:	Uintah County	

**Design parameters:**
**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**
**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 110 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: 780 ft

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,500 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 2,218 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 9,625 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 5,000 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,500 ft  
Injection pressure 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
2	2100	9.625	32.30	H-40	ST&C	2100	2100	8.876	133.1
1	400	9.625	36.00	J-55	ST&C	2500	2500	8.796	28.5

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
2	916	1368	1.492	2452	2270	0.93	72	254	3.52 J
1	1091	2020	1.852	2500	3520	1.41	4	394	92.95 J

Prepared Clinton Dworshak  
by: Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: April 25, 2005  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:  
Operator: **Westport Oil & Gas**  
String type: Production  
Location: Uintah County

## 04-05 Westport NBU 921-34L

Project ID:  
43-047-36388

### Design parameters:

#### Collapse

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

### Minimum design factors:

#### Collapse:

Design factor 1.125

#### Burst:

Design factor 1.00

### Environment:

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 210 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: Surface

#### Burst

Max anticipated surface  
pressure: 1,752 psi  
Internal gradient: 0.337 psi/ft  
Calculated BHP 5,000 psi

No backup mud specified.

#### Tension:

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.  
Neutral point: 8,186 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9625	4.5	11.60	M-80	LT&C	9625	9625	3.875	223.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	5000	6350	1.270	5000	7780	1.56	95	267	2.81 B

Prepared Clinton Dworshak  
by: Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: April 25, 2005  
Salt Lake City, Utah

#### Remarks:

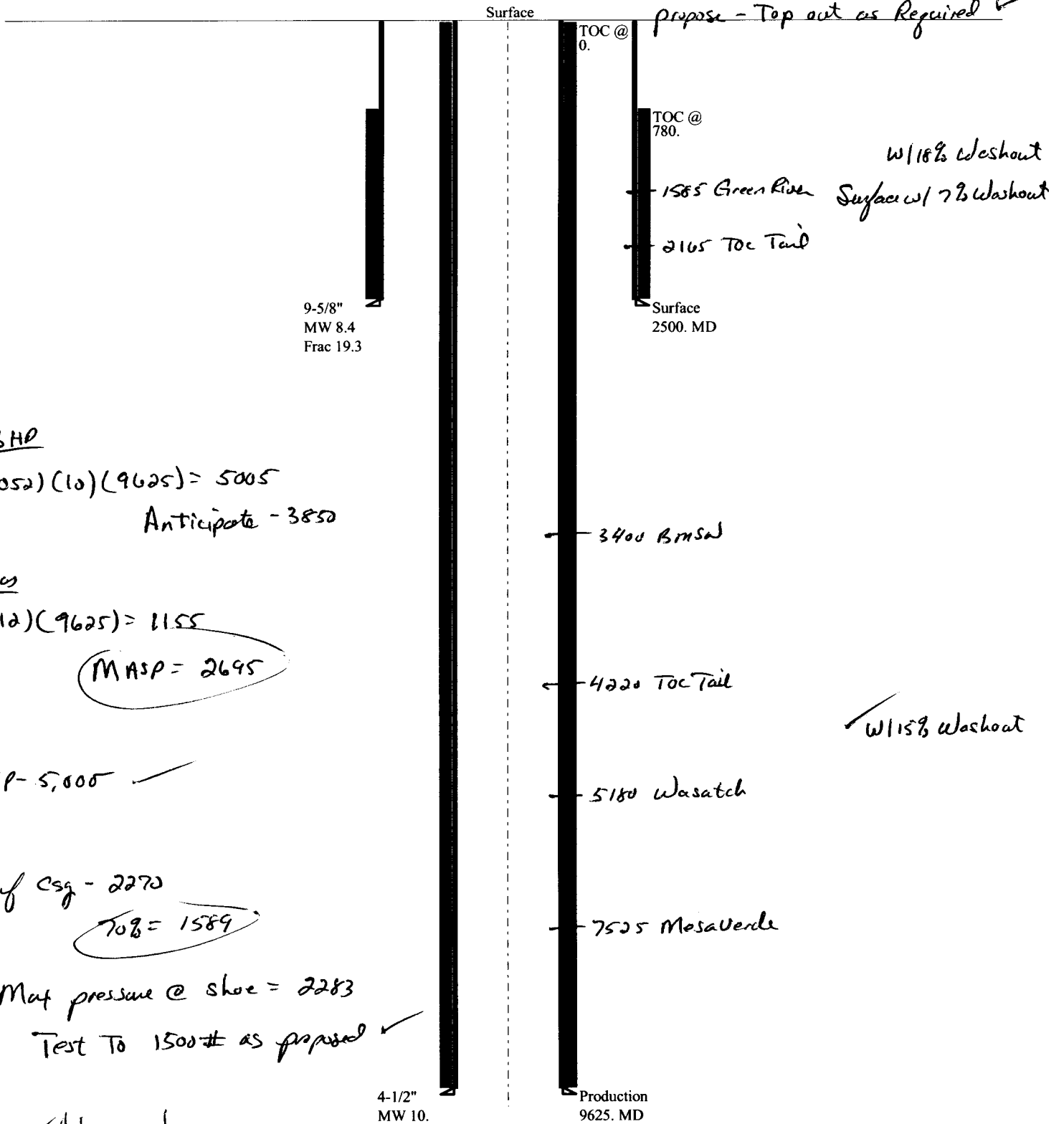
Collapse is based on a vertical depth of 9625 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# 04-05 Westport NBU 921-L

## Casing Schematic



BHP

$$(0.52)(10)(9625) = 5005$$

Anticipate - 3850

Gas

$$(0.12)(9625) = 1155$$

$$\text{MASP} = 2695$$

BOP - 5,000 ✓

Surf csg - 2270

$$\text{TOG} = 1589$$

Mat pressure @ shoe = 2283

Test To 1500# as proposed ✓

✓ Adequate DWD 5/9/05

**State of Utah****Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 10, 2005

Westport Oil & Gas Company, LP  
1368 South 1200 East  
Vernal, Utah 84078

Re: Natural Buttes Unit 921-34L Well, 2586' FSL, 379' FWL, NW SW, Sec. 34,  
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36388.

Sincerely,

Gil Hunt  
Acting Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
SITLA  
Bureau of Land Management, Vernal District Office

**Operator:** Westport Oil & Gas Company, LP  
**Well Name & Number** Natural Buttes Unit 921-34L  
**API Number:** 43-047-36388  
**Lease:** STUO-1194-AST

**Location:** NW SW                      **Sec.** 34                      **T.** 9 South                      **R.** 21 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.**

**5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)**

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:

3160  
UT08300

July 11, 2005

Westport Oil & Gas Company  
ATTN: Debra Domenici  
P.O. Box 1148  
Vernal, Utah 84078

RE: Application for Permit to Drill  
Well No.: NBU 921-34L  
NWSW, Sec. 34, T9S, R21E  
Natural Buttes Unit  
API No. 43-047-36388

Dear Ms. Domenici:

Enclosed is your copy for the above referenced APD that we accepted for "Unit Purposes Only".

If you have any questions, please contact me at (435) 781-4429.

Sincerely,

Johnetta Magee  
Legal Instruments Examiner

Enclosure  
bcc: Well File  
Reading File  
Division of Oil-Gas-Mining

RECEIVED

JUL 26 2005

DIV. OF OIL, GAS & MINING

# RECEIVED

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

APR 17 2006

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
PHONE NUMBER: (435) 781-7003		8. WELL NAME and NUMBER: NBU 921-34L
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2586' FSL 379' FWL		9. API NUMBER: 4304736388
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

COUNTY: UINTAH

STATE: UTAH

### 11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: DOGM APD EXTENSION
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION. SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS & MINING MAY 10, 2005.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

NAME (PLEASE PRINT) RAMEY HOOPES TITLE REGULATORY CLERK  
SIGNATURE *Ramey Hoopes* DATE 4/11/2006

(This space for State use only)

ACCEPTED BY BLM FOR  
UNIT PURPOSES ONLY

MAY - 2 2006

MAY 08 2006

(See Instructions on Reverse Side)

UDOGM

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ  
 2. CDW

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/6/2006**

**FROM: (Old Operator):**

N2115-Westport Oil & Gas Co., LP  
 1368 South 1200 East  
 Vernal, UT 84078

Phone: 1-(435) 781-7024

**TO: ( New Operator):**

N2995-Kerr-McGee Oil & Gas Onshore, LP  
 1368 South 1200 East  
 Vernal, UT 84078

Phone: 1-(435) 781-7024

**CA No.**

**Unit:**

**NATURAL BUTTES UNIT**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
-----------	-----	-----	-----	--------	-----------	------------	-----------	-------------

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- 7. Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- 8. Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203

BIA BOND = RLB0005239

APPROVED 5/16/06

Earlene Russell

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Title

DRILLING MANAGER

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06

Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Title

ENGINEERING SPECIALIST

Signature

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Brad Laney

Title

Date

5-9-06

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: KERR-MCGEE OIL & GAS ONSHORE LP

Well Name: NBU 921-34L

Api No: 43-047-36388 Lease Type: STATE

Section 34 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN'S RIG # BUCKET

### **SPUDDED:**

Date 06/16/06

Time 10:00 AM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 06/19/2006 Signed CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736388	NBU 921-34L		NWSW	34	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	6/16/2006			6/22/06	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 06/16/2006 AT 1000 HRS <u>— K</u>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736560	NBU 921-31H		SENE	31	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<u>B</u>	99999	<u>2900</u>	6/15/2006			6/22/06	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 06/15/2006 AT 1200 HRS <u>— K</u>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

(5/2000)

To <u>FAIRYNE RUSSELL</u>	From <u>SHEILA UPCHEGO</u>
Co./Dept. <u>UTDOGMM</u>	Co. <u>KMG</u>
Phone # <u>(801) 538-5336</u>	Phone # <u>(435) 781-7024</u>
Fax # <u>(801) 359-3440</u>	Fax # <u>(435) 781-7094</u>

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

6/19/2006

Title

Date

**RECEIVED**  
**JUN 19 2006**

DIV. OF OIL, GAS &amp; MINING

FORM 9

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. LEASE DESIGNATION AND SERIAL NUMBER:

STUO-1194-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

NATURAL BUTTES UNIT

8. WELL NAME and NUMBER:

NBU 921-34L

9. API NUMBER:

4304736388

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

1. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

KERR MCGEE OIL AND GAS ONSHORE LP

3. ADDRESS OF OPERATOR:

1368 SOUTH 1200 EAST CITY VERNAL

STATE UT

ZIP 84078

PHONE NUMBER:

(435) 781-7003

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2586' FSL 379' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: DOGM APD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	EXTENSION

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION. SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS & MINING MAY 10, 2005.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date:

By:

NAME (PLEASE PRINT) RAMEY HOOPES

TITLE REGULATORY CLERK

SIGNATURE

DATE 4/11/2006

(This space for State use only)

RECEIVED

MAY 30 2006

DIV. OF OIL, GAS &amp; MINING



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304736388  
**Well Name:** NBU 921-34L  
**Location:** NWSW, SEC 34, T9S, R21E  
**Company Permit Issued to:** KERR MCGEE OIL AND GAS ONSHORE LP  
**Date Original Permit Issued:** 5/10/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

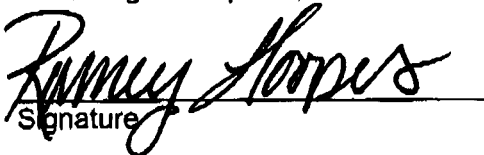
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

  
Signature

4/12/2006

Date

Title: REGULATORY CLERK

Representing: KERR MCGEE OIL AND GAS ONSHORE L

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:  
1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER:  
(435) 781-7024

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 2586'FSL, 379'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
STUO-1194-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
UNIT #891008900A

8. WELL NAME and NUMBER:  
NBU 921-34L

9. API NUMBER:  
4304736388

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WELL SPUD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. LEAD CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 06/16/2006 AT 1000 HRS.

RECEIVED  
JUN 26 2006  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 6/19/2006

(This space for State use only)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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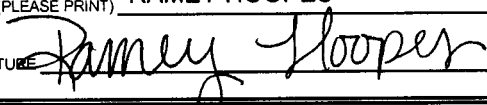
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT # 891008900A
PHONE NUMBER: (435) 781-7003		8. WELL NAME and NUMBER: NBU 921-34L
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2586' FSL 379' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E		9. API NUMBER: 4304736388
		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
		COUNTY: UINTAH
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
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	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: SET SURF CSG
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU BILL JR'S RATHOLE DRILLING ON 6/20/06. DRILLED 12 1/4" SURFACE HOLE TO 2380'. RAN 9 5/8" 54 JTS H-40 36.00#. TAILED CMT W/300 SKS PREM CLASS G @ 15.8 PPG 1.15 YIELD. TOP OUT W/175 SKS CLASS G @ 15.8 PPG 1.15 YIELD. GOOD CMT TO SURFACE CMT STAYED AT SURFACE. WORT

NAME (PLEASE PRINT) RAMEY HOOPES	TITLE REGULATORY CLERK
SIGNATURE 	DATE 6/28/2006

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JUL 25 2006

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER:

STUO-1194-ST

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

UNIT #891008900A

8. WELL NAME and NUMBER:

NBU 921-34L

9. API NUMBER:

4304736388

10. FIELD AND POOL, OR WILDCAT:

NATURAL BUTTES

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

2. NAME OF OPERATOR:

KERR MCGEE OIL & GAS ONSHORE LP

3. ADDRESS OF OPERATOR:

1368 SOUTH 1200 EAST

CITY VERNAL

STATE UT

ZIP 84078

PHONE NUMBER:

(435) 781-7024

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2586'FSL, 379'FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT  
(Submit in Duplicate)

Approximate date work will start:

☒ SUBSEQUENT REPORT  
(Submit Original Form Only)

Date of work completion:

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/RESUME)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLARE

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: FINAL DRILLING  
OPERATIONS

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2380' TO 9548' ON 07/21/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/371 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1255 SX 50/50 POZ @14.3 PPG 1.31 YIELD. SET SLIPS NIPPLE DOWN CUT OFF CSG. JET AND CLEAN PITS.

RELEASED ENSIGN RIG 12 ON 07/23/2006 AT 0100 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE

6/19/2006

(This space for State use only)

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AUG 01 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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**STUO-1194-ST**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
**UNIT #891008900A**

8. WELL NAME and NUMBER:  
**NBU 921-34L**

9. API NUMBER:  
**4304736388**

10. FIELD AND POOL, OR WILDCAT:  
**NATURAL BUTTES**

1. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**KERR MCGEE OIL & GAS ONSHORE LP**

3. ADDRESS OF OPERATOR:  
**1368 SOUTH 1200 EAST** CITY **VERNAL** STATE **UT** ZIP **84078**

PHONE NUMBER:  
**(435) 781-7024**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **2586'FSL, 379'FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWSW 34 9S 21E**

STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>PRODUCTION</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<b>START-UP</b>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 08/15/2006 AT 9:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) **SHEILA UPCHEGG**

TITLE **REGULATORY ANALYST**

SIGNATURE

DATE **8/16/2006**

(This space for State use only)

RECEIVED

AUG 21 2006

# KERR MCGEE OIL AND GAS ONSHORE LP

## CHRONOLOGICAL HISTORY

NBU 921-34L

Page 1

UINTAH COUNTY, UT

	SPUD	Surface Casing	Activity	Status
5/31/06			Build Location, 15% complete	Caza 12
6/01/06			Build Location, 25% complete	Caza 12
6/02/06			Build Location, 35% complete	Caza 12
6/05/06			Build Location, 40% complete	Caza 12
6/06/06			Build Location, 45% complete	Caza 12
6/07/06			Build Location, 45% complete	Caza 12
6/12/06			Build Location, 80% complete	Caza 12
6/13/06			Build Location, 90% complete	Caza 12
6/14/06			Build Location, 95% complete	Caza 12
6/15/06			Build Location, 95% complete	Caza 12
6/19/06	6/16/06		Location Complete, Set Conductor WOAR	Caza 12
6/27/06	6/20/06	9 5/8" @ 2311'	Air Rig Spud, WORT	Caza 12
07/12/06	TD: 2380' Csg. 9 5/8"@ 2327' MW: 8.3 SD: 7/XX/06 DSS: 0 Move to NBU 921-34L, 100% moved, 90% rigged up @ report time.			
07/13/06	TD: 2880' Csg. 9 5/8"@ 2327' MW: 8.3 SD: 7/13/06 DSS: 0 Finish RURT. NU and test BOPE. PU BHA, DP and drill FE. Drill from 2392'-2880'. DA @ report time.			
07/14/06	TD: 4265' Csg. 9 5/8"@ 2327' MW: 8.4 SD: 7/13/06 DSS: 2 Drill from 2880'-4265'. DA @ report time.			
07/17/06	TD: 6860' Csg. 9 5/8"@ 2327' MW: 9.1 SD: 7/13/06 DSS: 5 Drill from 4265'-6275'. TFNB and MM. Drill to 6860'. DA @ report time.			
07/18/06	TD: 7675' Csg. 9 5/8"@ 2327' MW: 9.8 SD: 7/13/06 DSS: 6			

**Drill from 6860'-7675'. DA @ report time.**

**07/19/06**

**TD: 8470' Csg. 9 5/8"@ 2327' MW: 10.4 SD: 7/13/06 DSS: 7**  
**Drill from 7675'-8470'. DA @ report time.**

**07/20/06**

**TD: 9155' Csg. 9 5/8"@ 2327' MW: 11.0 SD: 7/13/06 DSS: 8**  
**Drill from 8470'-9155'. DA @ report time.**

**07/21/06**

**TD: 9548' Csg. 9 5/8"@ 2327' MW: 11.4 SD: 7/13/06 DSS: 9**  
**Drill from 9155'-9548' TD. CCH. Short trip 25 stds @ report time.**

**07/24/06**

**TD: 9548' Csg. 9 5/8"@ 2327' MW: 11.4 SD: 7/13/06 DSS: 12**  
**Short trip 25 stds. CCH. Lay down drill string. RIH with Triple Combo, bridged out @ 6378'. Log out. Run and cement 4 1/2" Production Casing. Set slips and release rig @ 0100 hrs 7/23/06. RDRT. Will move to NBU 1022-26K this am.**

**08/07/06**

**PROG: 7:AM.HSM.MOVE IN. SPOT EQUIP. RU RIG. ND WELLHEAD, NU BOP. PU 3-7/8" MILL. RIH, PU 2-3/8" TBG.GOT TO 8500'. POOH TO 6000'. SWI 5: PM**

**08/08/06**

**PROG: 7: AM. HSM. FINISH POOH W/ 23/8" TBG & MILL. ND BOP, NU FRAC VALVES. RU QUICK TEST. PRES TEST TO 7500 PSI, HELD. RD TESTER. RU BJ & CUTTERS.**

**STAGE 1# PERF 9111-15, 9229-34, 9273-78, 4SPF, 56 HOLES, BROKE @ 5110, IR 40.4, IP 6620, ISIP 4000, FG. 86, MP 6651, MR 45.4, AP 6392, AR 43, FG. 86, ISIP 3970, NPI -30, CLEAN 2020 BBLS, SAND 156,700#, 22# GEL**

**STAGE 2# SET CBP @ 8931, PERF 8892-8901', 4SPF, 36 HOLES, BROKE @ 5222, IR 42, IP 7000, ISIP 4050, FG. 80, MP 6995, MR 47.7, AP 6656, AR 47, FG.80, ISIP 4200, NPI 150, CLEAN 758 BBLS, SAND 87,374#, 20# GEL.**

**STAGE 3# SET CBP @ 8779', PERF 8680-86, 8742-49, 4SPF, 52 HOLES, BROKE @ 5815, IR 45, IP 6500, ISIP 3850, FG. 87, MP 6683, MR 48.5, AP 6257, AR 47, FG. 92, ISIP 4250, NPI 400, CLEAN 748 BBLS, SAND 85,450#, 20# GEL.**  
**SWI 5: PM**

**08/09/06**

**PROG: FRAC STG 4. PERF STG 5. UNABLE TO BREAK. RD CUTTERS & BJ. TIH W/ TBG. D/O SAND F/ 7960' - 8211'. CIRC CLEAN. POOH W/ 10 STDS. SWI. SDFN.**  
**DC: \$905,880 P/L FAC: \$9,291 COMP C: \$68,259 CWC: \$983,350**

**Replace with Entire Report**

**08/10/06**

**PROG: 7:AM HSM . FINISH POOH W/ 23/8" TBG & BIT . RU CUTTERS & BJ . STAGE 5# BROKE @4073 , IR 49.5 , IP 6200 , ISIP 2950 , FG .79 , MP 6255 , MR 51 , AP 5861 , AR 50.9 , FG .86 , ISIP 3500 , NPI 550 , CLEAN 752 BBLS , SAND 84,313# , 18# GEL**

**STAGE 6# SET CBP @ 8048' ,PERF 7909-15 , 7962-66 , 8014-18 , 4SPF , 56 HOLES , BROKE @ 5453 , IR 41.1 , IP 5100 , ISIP 3250 , FG .84 , MP 5303 , MR 41.7 , AP 4726 , AR 41.6 , FG .80 , ISIP 2950 , NPI -300 , CLEAN 500 BBLS , SAND 51,000# , 18# GEL**

**STAGE 7# SET CBP @ 7339' , PERF 7090-93 , 7305-09 , 4SPF , 28 HOLES , BROKE @ 2666 , IR 50.8 , IP 4920 , ISIP 2600 , FG .79 , MP 5142 , MR 50.6 , AP 4912 , AR 50 , FG .80 , ISIP**

2700 , NPI 100 , CLEAN 1322 BBLS , SAND 169,165# , 18# GEL

STAGE 8# SET CBP @ 6974 , PERF 6934-44 , 4SPF , 32 HOLES , BROKE @4010 , IR 44.5 , IP 5400 , ISIP 2600 , FG .80 , MP 5012 , MR 44.9 , AP 4678 , AR 44.8 , FG .93 , ISIP 3450 , NPI 850 , CLEAN 727 BBLS , SAND 87,060# , 18# GEL

STAGE 9# SET CBP @ 6020 , PERF 5896-5900 , 5978-82 , 4SPF , 32 HOLES , BROKE @ 2671 , IR 40.3 , IP 3200 , ISIP 1900 , FG .75 , MP 3465 , MR 40.8 , AP 3269 , AR 40.7 , FG .83 , ISIP 3450 , NPI 500 , CLEAN 1073 BBLS , SAND 138,292# . TOTALS = CLEAN 8997 BBLS , SAND 994,591# , DVE 834 GAL . RIH SET CBP @ 5790' . RD CUTTERS & BJ . ND FRAC VALVES , NU BOP . SWI 5:30 PM

**08/11/06**

PROG: 7:AM .HSM . OPEN WELL . PU 37/8' BIT ,POBS , R-NIPPLE . RIH W/ 23/8' TBG. TAG @ 5790' . RU DRILL EQUIP . BROKE CONV CIR . DRILL UP 1# CBP . 50 PSI INC . RIH TAG @ 5990 , 30' SAND .  
DRILL DOWN TO 2# CBP @ 6020 . DRILL UP CBP . 100 PSI INC . RIH , TAG @ 6944' . 30' SAND .  
DRILL DOWN TO 3# CBP @ 6974' . DRILL UP CBP . 100 PSI INC .RIH , TAG @ 7309' . 30' SAND .  
DRILL DOWN TO 4# CBP @ 7339' . DRILL UP CBP . 150 PSI INC. RIH , TAG @ 8018 , 30' SAND .  
DRILL DOWN TO 5# CBP @ 8048' . DRILL UP CBP . 200 PSI INC . RIH , TAG @ 8181' , 30' SAND .  
DRILL DOWN TO 6# CBP @ 8211 . DRILL UP CBP . 150 PSI INC . RIH , TAG @ 8530' , 30' SAND .  
DRILL DOWN TO 7# CBP @ 8560' . DRILL UP CBP , 200 PSI INC . RIH , TAG @ 8749' , 30' SAND .  
DRILL DOWN TO 8# CBP @ 8779 . DRILL UP CBP . 200 PSI INC . RIH , TAG @ 8901 , 30' SAND .  
DRILL DOWN TO 9# CBP @ 8931' . DRILL UP CBP . 150 PSI INC . RIH , TAG PBTB @ 9445 . CIR WELL CLEAN . POOH LD EXCESS TBG . 261 JTS IN WELL , LAND TBG . EOT @ 8292.60 . ND BOP . NU WELLHEAD . DROP BALL , POBS . PUT WELL FLOWING TO PIT .

08/11/2006 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 850 #, TP: 875 #, 22/64 CHK, 55 BWPH, 15 HRS, SD: LIGHT, TTL BBLS FLWD: 950 BBLS, TODAYS LTR: 6997 BBLS, LOAD REC TODAY: 950 BBLS, REMAINING LTR: 6047 BBLS, TOTAL LOAD REC TO DATE: 2950 BBLS.

08/12/2006 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1000 #, TP: 925 #, 22/64 CHK, 35 BWPH, 24 HRS, SD: LIGHT, TTL BBLS FLWD: 1105 BBLS, TODAYS LTR: 6047 BBLS, LOAD REC TODAY: 1105 BBLS, REMAINING LTR: 4942 BBLS, TOTAL LOAD REC TO DATE: 4055 BBLS.

08/13/2006 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1250 #, TP: 950 #, 22/64 CHK, 30 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: RNI BBLS, TODAYS LTR: 4942 BBLS, LOAD REC TODAY: N/A BBLS, REMAINING LTR: 4942 BBLS, TOTAL LOAD REC TO DATE: 4055 BBLS.

**08/14/06**

PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1675 #, TP: 875 #, 22/64 CHK, 20 BWPH, 24 HRS, SD: TRACE, TTL BBLS FLWD: 665 BBLS, TODAYS LTR: 4177 BBLS, LOAD REC TODAY: 665 BBLS, REMAINING LTR: 3512 BBLS, TOTAL LOAD REC TO DATE: 5485 BBLS.



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-A-ST
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	7. UNIT or CA AGREEMENT NAME UNIT #891008900A
3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078	8. WELL NAME and NUMBER: NBU 921-34L
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2586'FSL, 379'FWL  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:	9. API NUMBER: 4304736388
	10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES
	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S, 21E
	12. COUNTY UINTAH
	13. STATE UTAH

14. DATE SPUDDED: 6/16/2006	15. DATE T.D. REACHED: 7/21/2006	16. DATE COMPLETED: 8/15/2006	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 5007'GL
18. TOTAL DEPTH: MD 9,548 TVD	19. PLUG BACK T.D.: MD 9,445 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD PLUG SET: TVD	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL-CCL-GR			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		2,380		1075			
7 7/8"	4 1/2 I-80	11.6#		9,548		1626			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,293							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	5,882	6,944			5,882 6,944	0.35	64	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WAS/MESA	7,090	7,309			7,090 7,309	0.35	28	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) MESAVERDE	7,909	9,278			7,909 9,278	0.35	264	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5882'-6944'	PMP 1800 BBLs LIGHTNING 18 & 225,352# 20/40 MESH SD
7090'-7309'	PMP 1322 BBLs LIGHTNING 18 & 169,165# 20/40 MESH SD
7909'-9278'	PMP 5875 BBLs LIGHTNING 18, 20, 22 & 600,074# 20/40 MESH SD

29. ENCLOSED ATTACHMENTS:

- ☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

30. WELL STATUS:

PROD

RECEIVED

SEP 15 2006

DIV. OF OIL, GAS & MINING

## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 8/15/2006	TEST DATE: 8/17/2006	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 856	WATER – BBL: 440	PROD. METHOD: FLOWING
CHOKE SIZE: 25/64	TBG. PRESS. 347	CSG. PRESS. 995	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

## INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED: 8/15/2006	TEST DATE: 8/17/2006	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 856	WATER – BBL: 440	PROD. METHOD: FLOWING
CHOKE SIZE: 25/64	TBG. PRESS. 347	CSG. PRESS. 995	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

## INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED: 8/15/2006	TEST DATE: 8/17/2006	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 856	WATER – BBL: 440	PROD. METHOD: FLOWING
CHOKE SIZE: 25/64	TBG. PRESS. 347	CSG. PRESS. 995	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: PROD

## INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,773 7,543	7,543			

## 34. FORMATION (Log) MARKERS:

## 35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE

DATE 9/11/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



Kerr-McGee Oil & Gas Onshore LP  
1999 Broadway, Suite 3700  
Denver, CO 80205

February 28, 2007

Division of Oil, Gas and Mining  
Attn: Gil Hunt  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

43'047'36388  
RE: Water Disposal Well proposal NBU 921-34L SWD  
**2649' FSL, 423' FWL** (NW/4SW/4) Sec 34-9S-21E  
Uintah County, Utah  
Natural Buttes Unit

Dear Mr. Hunt,

Kerr-McGee Oil & Gas Onshore LP proposes to drill the NBU 921-34L SWD well to the Bird's Nest of the Green River formation using the existing NBU 921-34L well pad. The well is owned by Kerr-McGee 100%. We must notify all owners within one-quarter mile of the well site prior to filing the UIC. Please feel free to contact me at (720) 264-6698 should you have any questions. Thank you for your assistance.

Sincerely,

Beau Colligan  
Landman

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
MAR 05 2007  
DIV. OF OIL, GAS & MINING

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT # 891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2586' FSL 379' FWL		8. WELL NAME and NUMBER: NBU 921-34L
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E		9. API NUMBER: 4304736388
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

### 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21146-07824.

PLEASE SEE ATTACHED.

**COPY SENT TO OPERATOR**

Date: 11/13/2008

Initials: KS

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE <u><i>Sheila Upchego</i></u>	DATE <u>11/6/2008</u>

(This space for State use only)

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

DATE: 11/10/08

BY: *[Signature]*

Federal Approval Of This  
Action Is Necessary

(See Instructions on Reverse Side)

**RECEIVED**

**NOV 10 2008**

DIV. OF OIL, GAS & MINING

## APPENDIX F

### CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-34L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':

Perforate 1926' and 1686' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1900'  
Conduct RTS to prove fluid confinement above 1951'  
Release Packer  
Reset RPB at 1750' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1663'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1926' and 1686' and return well to production status.

*- 100% fill by calc.*

CORRECTIVE ACTION for NBU 440 (API 43-047-34785) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1634'-1928':

Perforate 1908' and 1666' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1850'  
Conduct RTS to prove fluid confinement above 1928'  
Release Packer  
Reset RPB at 1700' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1634'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1908' and 1666' and return well to production status.

*- 100% fill  
by calc.*

CORRECTIVE ACTION for NBU 921-31L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':

Perforate 1926' and 1686' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1850'  
Conduct RTS to prove fluid confinement above 1950'  
Release Packer  
Reset RPB at 1750' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1654'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1926' and 1686' and return well to production status.

*?*  
*- not drilled*

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: STUO-1194-ST
2. NAME OF OPERATOR: KERR MCGEE OIL AND GAS ONSHORE LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME: UNIT # 891008900A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2586' FSL 379' FWL		8. WELL NAME and NUMBER: NBU 921-34L
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 34 9S 21E		9. API NUMBER: 4304736388
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Remedial Work</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21146-07824.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR

Date: 11.21.2008

Initials: KS

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE <u><i>Sheila Upchego</i></u>	DATE <u>11/6/2008</u>

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/25/08  
BY: *Sheila Upchego*  
(See Instructions on Reverse Side)

RECEIVED

NOV 12 2008

DIV. OF OIL, GAS & MINING

## APPENDIX F

### CORRECTIVE ACTION REQUIREMENTS

~~CORRECTIVE ACTION for NBU 921-34L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':~~

Perforate 1926' and 1686' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1900'  
Conduct RTS to prove fluid confinement above 1951'  
Release Packer  
Reset RPB at 1750' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1663'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1926' and 1686' and return well to production status.

*- 100% fill by calc.*

~~CORRECTIVE ACTION for NBU 440 (API 43-047-34785) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1634'-1928':~~

Perforate 1908' and 1666' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1850'  
Conduct RTS to prove fluid confinement above 1928'  
Release Packer  
Reset RPB at 1700' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1634'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1908' and 1666' and return well to production status.

*- 100% fill  
by calc.*

~~CORRECTIVE ACTION for NBU 921-31L (API 43-047-36388) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1663'-1951':~~

Perforate 1926' and 1686' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1850'  
Conduct RTS to prove fluid confinement above 1950'  
Release Packer  
Reset RPB at 1750' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1654'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1926' and 1686' and return well to production status.

*?  
- not drilled*

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> STUO-1194-AST
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-34L
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2586 FSL 0379 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 34 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047363880000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 3/20/2009	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input checked="" type="checkbox"/> <b>OTHER</b>	
	<input type="checkbox"/> <b>CASING REPAIR</b>	
	<input type="checkbox"/> <b>CHANGE WELL NAME</b>	
	<input type="checkbox"/> <b>CONVERT WELL TYPE</b>	
	<input type="checkbox"/> <b>NEW CONSTRUCTION</b>	
	<input type="checkbox"/> <b>PLUG BACK</b>	
	<input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>	
	<input type="checkbox"/> <b>TEMPORARY ABANDON</b>	
	<input checked="" type="checkbox"/> <b>WATER DISPOSAL</b>	
	<input type="checkbox"/> <b>APD EXTENSION</b>	
	OTHER: REMEDIAL WORK	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE OPERATOR HAS PERFORMED THE REMEDIAL WORK ON THE SUBJECT WELL LOCATION. IN ACCORDANCE WITH THE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21146-07824. PLEASE REFER TO THE ATTACHED REMEDIAL CHRONOLOGICAL WELL HISTORY.		
Accepted by the <b>Utah Division of          Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> July 07, 2010		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/25/2010	



**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 921-34L

Spud Date: 7/13/2006

Project: UTAH-UINTAH

Site: NBU 921-34L

Rig Name No: SWABBCO 1/1

Event: RE ENTER

Start Date: 3/9/2009

End Date: 3/20/2009

Active Datum: RKB @5,018.99ft (above Mean Sea Level)

UWI: NBU 921-34L

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/10/2009	14:30 - 17:30	3.00	WO/REP	07		P		RRTL & ALL EQUIPMENT SPOT IN RIG UP GUY OUT LAY ALL HARDLINE KILL TBG NDWH NUBOP KILL CSG UNLTBG SWI SDFN
3/11/2009	7:00 -		WO/REP	07		P		HSM KILL WELL TOH TALLYING 261 JNTS BOTTON 3 JNTS PLUGGED WITH SAND BOTTOM 1800' HAD SCALE ON OUTSIDE OF TBG INSIDE LOOKS GOOD R/U WIRELINE SET 5K CBP @ 2500' LOAD & TEST CSG TO 1500 PSI HELD 10 MIN = GOOD TEST PERF 4 SPF @ 1926' & 1686' R/D WIRE LINE TIH RBP & PKR SET RBP @ 2101' & PKR @ 2095' TEST PLUG RESET PKR @ 1907' UNABLE TO BREAK DOWN PERFS @ 1926' TAKE PRESSURE TO 4200 PSI LOST 500 PSI IN 10 MIN RESET RBP @ 1722' & PKR @ 1589' BREAK DOWN PERFS @ 1686' @ 2200 PSI EST INJ RATE OF 1/2 BPM @ 1400 PSI R/U WIRELINE RUN RATS TEST = GOOD TEST P/40 BBLS TOTAL INTO BIRDS NEST 2% KCL RELEASE PKR GRAB PLUG TOH R/U WIRE LINE SPOT 7 1/2 GAL 15% ACID @ 1900' WITH BAILER R/D WIRELINE TIH PKR SET @ 1780' = 94' BELOW PERFS @ 1686' P/1/2 BBL & PERFS BROKE @ 2800 PSI EST INJ RATE OF 1/2 BPM @ 1000 PSI R/U WIRELINE RUN RATS TEST = GOOD TEST P/45 BBLS 2% KCL INTO BIRDS NEST FOR TEST = 85 BBL TOTAL R/D WIRELINE RELEASE & TOH PKR SWI SDFN
3/12/2009	7:00 - 12:00	5.00	WO/REP	07		P		HSM TIH CICR SET @ 1906' R/U CEMENTERS P/100 SKS G-NEAT SQUEEZE OUT @ 1600 PSI STING OUT LEAVE 1/2 BBL ON CICR TOH TIH PKR SET @ 1400' = 286' ABOVE PERFS @ 1686' P/100 SKS G-NEAT SQUEEZE OUT @ 2500 PSI 6 1/2 BBLS INTO FLUSH EST CEMENT TOP @ 1462' = 224' OF CEMENT TO PERFS SWI SDFWE
3/16/2009	7:00 - 18:00	11.00	WO/REP	07		P		HSM TOH PKR TIH 3 7/8 BLADE BIT TAG CEMENT @ 1442' WITH JNT 44 P/U SWIVEL WITH JNT 44 DRILL CEMENT TO 1708' = 22' PAST PERFS @ 1686' TEST SQUEEZE TO 1250 PSI HELD 10 MIN = GOOD TEST SWIVEL IN TAG CEMENT @ 1836' DRILL CEMENT TO CICR @ 1906' DRILL ON CICR 3 HRS BIT STARTED PLUGGING OFF CIRC HOLE CLEAN HUNG SWIVEL TOH CHANGE BIT TO 3 7/8 ROCK BIT TIH WITH 60 JNTS SWI SDFN
3/17/2009	7:00 - 18:30	11.50	WO/REP	07		P		HSM P/U SWIVEL WITH JNT 60 DRILL ON CICR 4 HRS MAKING VERY LITTLE HOLE NOTHING IN RETURNS ACTS LIKE CICR IS SPINNING WITH US HUNG SWIVEL TOH BIT LOOKS NEW CICR MUST BE LOOSE & SPINNING TIH BLADE BIT KICK IN FOAM UNIT DRILL ON CICR 3 HRS BEAT ON CICR SEVERAL TIMES MADE 7" OF HOLE VERY LITTLE METAL & RUBBER IN RETURNS LOST ALL TORQUE ACTS LIKE BIT IS WORE OUT CIRC HOLE CLEAN HUNG SWIVEL TOH TIH ROCK BIT P/U SWIVEL BREAK CIRC DRILL ON CICR FINISH DRILLING IN 1 1/2 HRS CIRC HOLE CLEAN SWI SDFN

US ROCKIES REGION  
Operation Summary Report

Well: NBU 921-34L

Spud Date: 7/13/2006

Project: UTAH-UINTAH

Site: NBU 921-34L

Rig Name No: SWABBCO 1/1

Event: RE ENTER

Start Date: 3/9/2009

End Date: 3/20/2009

Active Datum: RKB @5,018.99ft (above Mean Sea Level)

UWI: NBU 921-34L

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/18/2009	7:00 - 16:00	9.00	WO/REP	07		P		HSM DRILL CEMENT TO 1935' = 9' PAST PERFS @ 1926' TEST CSG TO 1250 PSI HELD 10 MIN = GOOD TEST HUNG SWIVEL LD 18 JNTS TIH 18 STANDS TAG PLUG @ 2500' WITH JNT 79 BREAK CIRC DRILL CBP HAD 750 PSI BELOW PLUG HUNG SWIVEL TIH 258 JNTS TOTAL OUT OF DERRICK P/U SINGLES FROM TRAILER TAG FILL @ 9260' = 18' OF FILL OVER BOTTOM PERF @ 9278' P/U SWIVEL WITH JNT 293 KICK IN FOAM UNIT BREAK CIRC WITH SOLID FOAM IN RETURNS IN JUST 20 MIN = HOLE IN TBG KILL TBG HUNG SWIVEL TOH 55 STANDS TO 5772' = 124' ABOVE TOP PERF SWI SDFN
3/19/2009	7:00 - 17:30	10.50						HSM TIH 55 STANDS R/U TESTERS TBG SCOPE OUT OF HOLE 292 JNTS TOTAL BOTTOM 258 ORIGNALAL PRODUCTION STRING 190 OF 258 RED (BAD) R/D TESTER TIH TALLYING PSN & 98 FROM DERRICK P/U SINGLES FROM TRAILER LTBG @ 8283' WITH 261 JNTS R/U SWAB MAKE BROACH RUN R/D SWAB SWI SDFN
3/20/2009	7:00 - 9:00	2.00	WO/REP	07		P		HSM NDBOP NUWH R/O PUMP & TANKS RDMO TO CIGE 114



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

April 14, 2011

CERTIFIED MAIL NO.: 7005 1820 0001 5562 9054

Ms. Julie Jacobson  
Kerr McGee Oil and Gas  
1099 18<sup>th</sup> St, Ste 1800  
Denver CO 80202

43 047 36388  
NBU 921-34L  
95 21E 3A

Subject: **SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases**

Dear Ms. Jacobson:

As of January 2011, Kerr McGee Oil and Gas (Kerr McGee) has one (1) Fee Lease Well and sixteen (16) State Lease Wells (see Attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months requires the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining (Division) approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This is the **SECOND NOTICE** of non-compliance that Kerr McGee has received for wells listed as such on Attachment A. In March and April 2009 via certified mail the first notices were sent requesting required information to bring wells into compliance. Kerr McGee sent response dated April 7, 2009, which listed future plans for the wells. The Division sent Kerr McGee a "request denied" (in regard to SI/TA extension status) dated April 28, 2009. This denial was sent due to lack of addressing the requirements per Rule R649-3-36. Second notices were sent via certified mail in July 2009. Additional correspondence from Kerr McGee was received and four (4) of the aforementioned wells (Attachment A) had been granted SI/TA extensions which have since expired. To date the Division has not received additional information nor seen any progress being made to move the wells out of non-compliance status.

This is also a **reissuance of a FIRST NOTICE** for wells listed as such on Attachment A as they previously had notices sent on October 1, 2008. It is also a First Notice for wells that have recently been added to Kerr McGee's non compliance list. Please submit the required information for extended SI/TA status within 30 days of this notice or further actions will be initiated.



Page 2  
Kerr McGee Oil and Gas  
April 14, 2011

For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

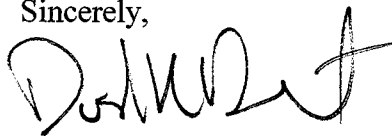
Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js  
Enclosure  
cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	SI/TA Extension Expired On
<b>Reissued 2<sup>ND</sup> NOTICE</b>					
1	LOVE 1121-16F	43-047-36253	ML-46532	3 Years 2 Months	
2	NBU 1021-1G	43-047-39001	ML-23612	3 Years 2 Months	12/31/2010
3	NBU 1022-13I4S	43-047-39475	STUO-08512-ST	3 Years 2 Months	12/13/2010
4	NBU 3-2B	43-047-30267	ML-22651	3 Years 5 Months	
<b>Reissued 1<sup>ST</sup> NOTICE</b>					
5	BONANZA 1023-16J	43-047-37092	ML-22186-A	3 Years 10 Months	12/31/2010
6	NBU 921-34J	43-047-37953	STATE	3 Years 6 Months	9/01/2009
<b>1<sup>ST</sup> NOTICE</b>					
7	HALL ET AL 31 18	43-047-30664	FEE	2 Years 5 Months	
8	STATE 921-27L	43-047-32466	U-01194AST	2 Years 2 Months	
9	NBU 1022-16O	43-047-35945	ML-3276	2 Years 2 Months	
10	NBU 1022-16E	43-047-35949	ML-3276	1 Year 1 Month	
11	LOOKOUT POINT STATE 1-16	43-047-30544	ML-22186-A	1 Year 9 Months	
12	CIGE 79D	43-047-30896	ML-23612	1 Year 1 Month	
13	CIGE 240	43-047-33207	ML-22935	1 Year 9 Months	
14	OURAY 32-146	43-047-33623	ML-22052	1 Year 9 Months	
15	NBU 921-34L	43-047-36388	STUO-1194-AST	1 Year 9 Months	
16	NBU 921-33J	43-047-36394	STUO-015630-ST	1 Year 11 Months	
17	NBU 438-19E	43-047-37534	ML-22792	1 Year	



May 12, 2011

Dustin K. Doucet  
Petroleum Engineer  
Division of Natural Resources, Division of Oil, Gas and Mining  
State of Utah  
PO Box 145801  
Salt Lake City UT 84114-5801

Dear Mr. Doucet:

*Dustin*

We are in receipt of your letter dated April 14, 2011, regarding the shut-in and temporarily abandoned status of 17 wells operated by Kerr McGee Oil and Gas.

The attached list explains the status of each well referenced in your April 14, 2011, letter.

Please do not hesitate to contact me if you have any questions or concerns. I can be reached at 720-929-6515.

Sincerely,

A handwritten signature in black ink, appearing to read 'Julie A. Jacobson'.

Julie A. Jacobson  
Regulatory Affairs Supervisor

Attachment

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only

RECEIVED

MAY 16 2011

DIV. OF OIL, GAS & MINING

Anadarko Response to UDOGM Letter of April 14, 2011

Well Name	API	Lease	Status / Comment
Love 1121-16F	43-047-36253	ML-46532	P&A procedure will be submitted by June 3, 2011. ✓
NBU 1021-1G	43-047-39001	ML-23612	Sundry approved on 5/3/2011 to convert to Birds Nest Monitor well. ✓
~ NBU 1022-1314S	43-047-39475	STUO-08512-ST	P&A sundry approved 4/19/2011; will be plugged in summer.
NBU 3-2B	43-047-30267	ML-22651	P&A procedure will be submitted by June 3, 2011. ✓
Bonanza 1023-16J	43-047-37092	ML-22186-A	TA approved by State on 4/19/2011. EXT to 12/31/2011
NBU 921-34J	43-047-37953	State	Sundry to convert to a Birds Nest monitoring well will be submitted by June 3, 2011. ✓
~ Hall ET AL 31 18	43-047-30664	Fee	Will return to production - maintenance work will be completed by July 1, 2011.
~ State 921-27L	43-047-32466	U-01194AST	Recomplete approved on 4/27/2011.
NBU 1022-16O	43-047-35945	ML-3276	P&A procedure will be submitted by June 3, 2011. ✓ paid
NBU 1022-16E	43-047-35949	ML-3276	P&A procedure will be submitted by June 3, 2011. ✓
Lookout Point State 1-16	43-047-30544	ML-22186-A	Replaced faulty surface equipment and returned to production. Recomplete procedure will be submitted by June 3, 2011; will complete recompletion operations within 30 days after receipt of an approved permit. ✓ "p"
CIGE 79D	43-047-30896	ML-23612	Converted to SWD well; UDOGM approval on May 18, 2010. ✓
~ CIGE 240	43-047-33207	ML-22935	Recomplete sundry approved on 4/28/2011; work will be completed with 922-29F pad.
~ Ouray 32-146	43-047-33623	ML-22052	Will be returned to production - workover will be performed by July 1, 2011.
NBU 921-34L	43-047-36388	STUO-1194-AST	P&A procedure will be submitted by June 3, 2011. 6/6/2011 going to convert to monitor well
~ NBU 921-33J	43-047-36394	STUO-015630-ST	Recomplete to the Green River sundry will be submitted by June 3, 2011.
NBU 438-19E	43-047-37534	ML-22792	P&A procedure will be submitted by June 3, 2011 (recent attempts to return production have failed). ✓

RECEIVED  
MAY 16 2011

DIV. OF OIL, GAS & MINING

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> STUO-1194-AST			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-34L			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2586 FSL 0379 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 34 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047363880000			
<b>PHONE NUMBER:</b> 720 929-6515 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES			
<b>COUNTY:</b> UTAH		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/6/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 1.2em; vertical-align: middle;"></span>
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  The operator requests approval to abandon the producing intervals in the Wasatch and Mesaverde formations and convert the wellbore to a temperature monitor well for the SWD operations in the Birds Nest Aquifer. Please see attached procedures.					
<b>NAME (PLEASE PRINT)</b> Gina Becker		<b>PHONE NUMBER</b> 720 929-6086			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst II			
<b>DATE</b> 6/6/2011		<b>APPROVED BY THE UTAH DIVISION OF OIL, GAS AND MINING</b>  <b>Date:</b> 09/20/2011 <b>By:</b> <u><i>Derek Duff</i></u>			

Please Review Attached Conditions of Approval

RECEIVED Jun. 06, 2011





**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Sundry Conditions of Approval Well Number 43047363880000**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations.  
Please call Dan Jarvis at 801-538-5338.**
- 2. All balanced plugs shall be tagged to ensure they remain at the depth specified by the proposal.**
- 3. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
  - 4. If this well is to be used as a monitor well for greater than 12 months, the requirements of R649-3-36 will need to be met until such time that the well is permanently plugged and abandoned, put back on production or converted to an injection well.**
- 5. If there are any changes to the plugging procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 6. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

7/21/2011

## Wellbore Diagram

r263

API Well No: 43-047-36388-00-00

Permit No:

Well Name/No: NBU 921-34L

Company Name: KERR-MCGEE OIL &amp; GAS ONSHORE, L.P.

Location: Sec: 34 T: 9S R: 21E Spot: NWSW

Coordinates: X: 624206 Y: 4427661

Field Name: NATURAL BUTTES

County Name: UINTAH

## String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	40	20		
COND	40	14	36.7	40
HOL2	2380	12.25		
SURF	2380	9.625	32.3	2380
SURF	2380	9.625	36	2380
HOL3	9548	7.875		
PROD	9548	4.5	11.6	9548
T1	8293	2.375		

Cement from 40 ft. to surface

Conductor: 14 in. @ 40 ft.

Hole: 20 in. @ 40 ft.

Cement from 2380 ft. to surface

Surface: 9.625 in. @ 2380 ft.

Hole: 12.25 in. @ 2380 ft.

## Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
COND	40	0	UK	28
PROD	9548	0	UK	1626
SURF	2380	0	UK	1075

## Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
5882	9278			

## Formation Information

Formation	Depth
UNTA	0
GRRV	1491
BMSW	3507
WSTC	4773
MVRD	7543

Cement from 9548 ft. to surface

Tubing: 2.375 in. @ 8293 ft.

Production: 4.5 in. @ 9548 ft.

Hole: 7.875 in. @ 9548 ft.

TD: 9548 TVD: 9548 PBTD: 9445

NBU 921-34L  
2586' FSL & 379' FWL  
NWSW SEC.34, T9S, R21E  
Uintah County, UT

#### Conversion Into A SWD Temperature Monitor Well

Plug the producing intervals in the Mesaverde and convert the wellbore to a temperature monitor well for SWD operations in the Birds Nest aquifer. Temperature surveys to be run on an annual basis.

KBE:	5019'	API NUMBER:	4304736388
GLE:	5007'	LEASE NUMBER:	STUO-1198-A-ST
TD:	9548'		
PBTD:	9445'		

**CASING :** 12.25" hole  
9.625", 32.3# (0-1900') & 36# (1900-2328'), H-40 @ 2328' w/300 sx Class G cement (15.8 ppg, 1.15 cuft/sx yield) out casing shoe. Pumped a top job in four stages using Class G cement mixed at 15.8 ppg, 1.15 cuft/sx yield as follows:

- Stage 1, 100 sx, no returns.
- Stage 2, 200 sx, no returns.
- Stage 3, 300 sx, cement to surface, but fell back down annulus.
- Stage 4, 175 sx, cement to surface and annulus stayed full.
- Primary Cement Job Coverage, 1524-1995' by calculation
- Top job coverage, 0-1633' by calculation.

Pumped 70% excess cement volume. Cement fill from surface to 2328' by calculation and observation.

7.875" hole

4.5", 11.6#, I-80 @ 9548' w/371 sx Premium Lite II lead, 1255 sx 50-50 Pozmix tail.

TOC @ 2340' per CBL (1st occurrence of min.50' isolation, however there is cement behind pipe to surface.)

<b>PERFORATIONS:</b>	Wasatch	5896' – 7309'
	Mesaverde	7909' – 9278'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 32.3# H-40	8.845	1400	2270	3.3055	0.4418	0.0787
9.625" 36# J-55	8.765	2020	3520	3.247	0.434	0.0773
<b>Annular Capacities</b>						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01
4.5" csg X 9 5/8" 36# csg				2.227	0.2977	0.053
4.5" csg X 7.875 borehole				1.704	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3428	0.3132	0.0558

#### **GEOLOGIC INFORMATION:**

<b>Formation</b>	<b>Depth to top, ft.</b>
Uinta	Surface
Green River	1491'
Bird's Nest	1663'

Mahogany	2275'
Base of Parachute	3136'
Wasatch	4773'
Mesaverde	7543'

**Tech. Pub. #92 Base of USDW's**

USDW Elevation	~1600' MSL*
USDW Depth	~3419' KBE

**NBU 921-34L – PLUG BACK PRODUCING INTERVALS & CONVERT TO SWD MONITOR WELL****GENERAL**

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

**PROCEDURE****Note: An estimated 72 sx Class "G" cement needed for procedure**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. **PLUG #1, ISOLATE WASATCH/MESAVERDE PERFORATIONS (5896' – 9278')**: RIH W/ 4 ½" CIBP. SET @ ~5850'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **8 SX / 1.6BBL / 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~5750'). REVERSE CIRCULATE W/ TREATED WATER.
3. **PLUG #2, PROTECT TOP OF WASATCH (4773')**: PUH TO ~4880'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4670' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER.
4. **PLUG #3, PROTECT BASE OF USDW (~3419')**: PUH TO ~3520'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~3310' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER.
5. **PLUG #4, PROTECT BASE OF PARACHUTE (3136')**: PUH TO ~3240'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~3030' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER.
6. **PLUG #5, PROTECT TOP OF MAHOGANY (2275')**: PUH TO ~2380'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~2170' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER. PRESSURE TEST TO ENSURE CASING INTEGRITY. POOH. WELL READY TO BE USED AS TEMPERATURE MONITOR WELL FOR SWD PROGRAM.

ALM 9/6/11

**RECEIVED** Jun. 06, 2011



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

January 26, 2012

CERTIFIED MAIL NO.: 7011 0110 0001 3568 1731

Ms. Julie Jacobson  
Kerr McGee Oil and Gas  
1099 18<sup>th</sup> Street, Suite 1800  
Denver, CO 80202

43 047 36388  
NBU 921-3AL  
9S 21E 3A

Subject: **SECOND NOTICE: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases**

Dear Ms. Jacobson:

As of January 2012, Kerr McGee Oil and Gas (Kerr McGee) has sixteen (16) State Lease Wells (see Attachment A) that are in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months requires the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining (Division) approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

This a **THIRD NOTICE** of non-compliance for NBU 1022-1314S which had a re-issued second notice on April 14, 2011. Later an approval to PA on April 19, 2011 was signed by the Division.

This is the **SECOND NOTICE** of non-compliance that Kerr McGee has received for wells listed as such on Attachment A. These wells received a first notice on April 14, 2011. Additional correspondence from Kerr McGee was received in May and June. Three (3) of the aforementioned wells (Attachment A) had previously been granted SI/TA extensions which have since expired.

This is also **FIRST NOTICE** for wells that have recently been added to Kerr McGee's non compliance list. Please submit the required information for extended SI/TA status within 30 days of this notice or further actions will be initiated.



Page 2  
Kerr McGee Oil and Gas  
January 26, 2012

For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1).
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

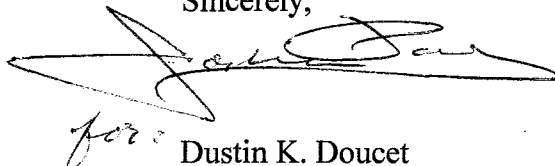
Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js  
Enclosure  
cc: Compliance File  
Well File  
LaVonne Garrison, SITLA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	SI/TA Extension Expired On
<b>3<sup>RD</sup> NOTICE</b>					
1	NBU 1022-13I4S	43-047-39475	STUO-08512-ST	4 Years 2 Months	12/31/2010
<b>2<sup>ND</sup> NOTICE</b>					
2	BONANZA 1023-16J	43-047-37092	ML-22186-A	4 Years 10 Months	12/31/2011
3	NBU 921-34J	43-047-37953	STATE	4 Years 6 Months	9/01/2009
4	NBU 921-34L	43-047-36388	STUO-1194-A	2 Years 9 Months	
5	NBU 921-33J	43-047-36394	STOU-015630	2 Years 11 Months	
<b>1<sup>ST</sup> NOTICE</b>					
6	UTE TRAIL U 88X2G	43-047-15389	ML-3352	1 Year 6 Months	
7	CIGE 3-32-9-22	43-047-30320	ML-22649	1 Year 8 Months	
8	NBU 31-12B	43-047-30385	ML-01197-A	1 Year 10 Months	
9	CIGE 51D	43-047-30889	U-01530-ST	1 Year 6 Months	
10	NBU 69N2	43-047-31090	U-01194-ST	1 Year	
11	NBU 97	43-047-31744	U-01189-ST	1 Year 1 Month	
12	BONANAZA 1023-2I	43-047-35663	ML-47062	1 Year 5 Months	
13	NBU 921-25D	43-047-36700	UO-01189-ST	1 Year 2 Months	
14	NBU 565-30E	43-047-37533	ML-22793	1 Year 11 Months	
15	STATE 1021-36D	43-047-38845	ML-47060	1 Year 5 Months	
16	NBU 661-24E	43-047-50011	ML-22790	1 Year 8 Months	



February 23, 2012

Dustin K. Doucet  
Petroleum Engineer  
Division of Natural Resources, Division of Oil, Gas and Mining  
State of Utah  
PO Box 145801  
Salt Lake City UT 84114-5801

Dear Mr. Doucet:

We are in receipt of your letters dated January 26, 2012, regarding the shut-in and temporarily abandoned status of wells operated by Kerr McGee Oil and Gas.

The attached list explains the status of each well referenced in your January 26, 2012, letters.

Please do not hesitate to contact me if you have any questions or concerns. I can be reached at 720-929-6515.

Sincerely,

A handwritten signature in black ink, appearing to read "Julie A. Jacobson".

Julie A. Jacobson  
Regulatory Affairs Supervisor

Attachment

**RECEIVED**  
**FEB 23 2012**  
DIV. OF OIL, GAS & MINING



23-Feb-12

## UDOGM LETTER(S)

WELL	API	Lease	Comment
UTAH 10-415	43-015-30391	ML-48189	P&A procedure planned to be submitted
NBU 1022-13I4S	43-047-39475	STUO-08512-ST	P&A procedure approved in June 2011; work completed by April 11, 2012
Bonanza 1023-16J	43-047-37092	ML-22186-A	TA approved on 4/19/2011; considering use of wellbore
NBU 921-34J	43-047-37953	STATE	June 2011 approved to convert to Birds Nest; convert by July 1, 2012
NBU 921-34L	43-047-36388	STUO-1194-A	June 2011 approved to convert to Birds Nest; convert by July 1, 2012
NBY 921-33J	43-047-36394	STUO-015630	Recompleted approved June 2011; on schedule
UTE Trail U88X2G	43-047-15389	ML-3352 (ML13826??)	Decision on well by May 1, 2012
CIGE 3-32-9-22	43-047-30320	ML-22649	Waiting for ground from recent activities to settle and then will put well back on production
NBU 31-12B	43-047-30385	ML-01197	Return to production by 5/1/2012
CIGE 51D	43-047-30889	U-01530-ST	P&A procedure approved; will plug this year
NBU 69N2	43-047-31090	U-01194-ST	Under review
NBU 97	43-047-31744	U-01189-ST	TA'd due to pressure monitor; pad completion aroun 9/1/2012
BONANZA 1023-2I	43-047-35663	ML-47062	work over scheduled 6/1/2012
NBU 921-25D	43-047-36700	UO-001189	TA'd due to pressure monitor; expected to drill out around 9/1/2012
NBU 565-30E	43-047-37533	ML-22793	P&A producer approved; work will be completed 7/18/2012
STATE 1021-36D	43-047-38845	ML-47060	producing (as of 12/28/2011)
NBU 661-24E	43-047-50011	ML-22790	producing (as of 12/28/2011)

RECEIVED  
FEB 23 2012  
DIV. OF OIL, GAS & MINING



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

September 4, 2014

CERTIFIED MAIL NO.: 7011 2970 0001 8828 1634

43 047 36388  
NBU 921-34L  
3A 9S 21E

Mr. Andy Lytle  
Kerr-McGee Oil and Gas Onshore  
1099 18<sup>TH</sup> Street  
Denver, CO 80202

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State Leases

Dear Mr. Lytle:

As of April 2014, Kerr-McGee Oil and Gas Onshore (Kerr-McGee) has nineteen (19) State Lease Wells and one (1) Fee Lease Well (see attachment A) that are currently in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Thirteen (13) wells were added to Kerr-McGee's SI/TA list in 2014.

Seven (7) of these wells (attachment A) have previously been issued notices of non-compliance and have remained in non-compliance. Three (3) of these wells (attachment A) have been shut-in beyond five (5) years and are cause for concern due to unknown status of well integrity. The Division acknowledges that Kerr-McGee has plans to plug two (2) of the wells listed (attachment A) and has approved plugging procedures.

Kerr-McGee shall submit plans for each well stating which wells will be plugged with accompanying procedures, placed back on production, or requesting SI/TA extension with proof of wellbore integrity and good cause for such request. All wells need an individual sundry filed and are required to meet the SI/TA rules as listed below.

Wells SI/TA beyond twelve (12) consecutive months requires filing a Sundry Notice (R649-3-36-1). Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (649-3-36-1.3.3). For extended SI/TA consideration the operator shall provide the Utah Division of Oil, Gas & Mining with the following:

1. Reasons for SI/TA of the well (R649-3-36-1.1)
2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Please note that the Divisions preferred method for showing well integrity is by MIT

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. **Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).**

1. Wellbore diagram, and
2. Copy of recent casing pressure test, and
3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
4. Fluid level in the wellbore, and
5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions may be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,



Dustin K. Doucet  
Petroleum Engineer

DKD/JP/js  
cc: Compliance File  
Well File  
LaVonne Garrison, SITLA  
N:\O&G Reviewed Docs\ChronFile\PetroleumEngineer\SITA

# ATTACHMENT A

	Well Name	API	LEASE	Years Inactive	Prior Notice
1	BONANZA 1023-16J	43-047-37092	ML-22186-A	7 years 1 month	2 <sup>ND</sup> NOTICE
2	NBU 921-34L	43-047-36388	STUO-1194-A	5 years	2 <sup>ND</sup> NOTICE
3	CIGE 79D	43-047-30896	ML-23612	4 years 4 months	2 <sup>ND</sup> NOTICE
4	NBU 921-33J (will PA 6/2/14)	43-047-36394	STUO-015630	5 years 2 months	2 <sup>ND</sup> NOTICE
5	CIGE 3-32-9-22	43-047-30320	ML-22649	3 years 11 months	1 <sup>ST</sup> NOTICE
6	NBU 31-12B	43-047-30385	ML-01197-A	2 years 10 months	1 <sup>ST</sup> NOTICE
7	NBU 69N2	43-047-31090	U-01194-ST	3 years 3 months	1 <sup>ST</sup> NOTICE
8	BONANZA 1023-20	43-047-35662	ML-47062	1 year 1 month	
9	CIGE 140	43-047-31977	ML-10755	1 year	
10	CIGE 224	43-047-32883	ML-2252	1 year	
11	CIGE 239	43-047-33206	ML-22582	1 year 6 months	
12	CIGE 284	43-047-34792	ML-23612	1 year 2 months	
13	CIGE 5	43-047-30335	U01207A-ST	1 year 3 months	
14	HALL ET AL 31 18	43-047-30664	FEE	1 year 1 month	
15	MORGAN STATE 13-36	43-047-32817	ML-22265	1 year 11 months	
16	NBU 1021-16G	43-047-35111	ML-10755	1 year 4 months	
17	NBU 562-19E (will PA 5/23/14)	43-047-37536	ML-22792	1 year	
18	STATE 1022-32I	43-047-35648	ML-22798	1 year 2 months	
19	TRIBAL 31-60	43-047-33340	ML-28048	1 year 2 months	
20	WONSITS ST 2-32	43-047-32819	ML-47780	1 year	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UO-1194-AST
<b>1. TYPE OF WELL</b> Test Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-34L
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2586 FSL 0379 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 34 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047363880000
<b>PHONE NUMBER:</b> 720 929-6100		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/7/2012	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="MONITOR WELL"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. June 2012, the NBU 921-34L was converted to a monitor well for the NBU 921-34L SWD well. No subsequent sundry was ever submitted to UDOGM for this conversion. Attached is the Operations Summary report for the well work. This well is currently a Monitor Well for the NBU 921-34L SWD well.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> September 16, 2014		
<b>NAME (PLEASE PRINT)</b> Doreen Green	<b>PHONE NUMBER</b> 435 781-9758	<b>TITLE</b> Regulatory Analyst II
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/16/2014	

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 921-34L

Spud Date: 7/13/2006

Project: UTAH-UINTAH

Site: NBU 921-34L

Rig Name No: MILES 3/3

Event: WELL WORK EXPENSE

Start Date: 5/30/2012

End Date: 6/7/2012

Active Datum: RKB @5,018.99usft (above Mean Sea Level)

UWI: NBU 921-34L

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/30/2012	10:00 - 16:30	6.50	MAINT	30	A	P		ROAD RIG FROM NBU 921-34L TO LOCATION. SHORT 1 DEADMAN. SITP 1100, SICP 1100. START BWD TO PROD TANKS. TBG PRES TO 1800#. MOVE IN FRAC TANK AND FILL W/ WTR FOR DEADMAN. RUSU. SPOT EQUIP. PLUMB IN FBT. FLOW CSG TO FBT AT 600# MAKING WTR.SITP 1700#. PMP 30 BBLS DOWN TBG. ND WH. NU BOP. RU FLOOR. UNLAND TBG FROM 8283'. LUB OUT AND LD HANGER. LEAVE CSG FLOWING TO FBT OVERNIGHT W/ FBC. SDFN
5/31/2012	7:00 - 7:15	0.25	MAINT	48		P		JSA- WELL CONTROL. SCAN TBG OUT. EWL.
	7:15 - 12:00	4.75	MAINT	31	I	P		FCP 40 BWPH AT 70#. SITP 750. BLOW DOWN TBG. PMP 30 BBLS DOWN TBG. RU PRS. SCAN AND SORT AS POOH W/ 260-JTS 2-3/8" L-80 TBG. SCAN 72 YELLOW THEN RED. RD PRS AFTER 144-JTS. BAD EXTERNAL PITTING. HAD 188 TOTAL RED JTS.
	12:00 - 17:30	5.50	MAINT	34	I	P		ND SH. NU FLANGE. RU CASEDHOLE EWL. RIH W/ GR/JB TO 5870'. RIH W/ 4-1/2" CIBP AND SET AT 5850'. POOH AND RD CASEDHOLE EWL. ND FLANGE. NU SH. WELL WOULD NOT BLOW DOWN. PMP DOWN CSG TO PRES TEST. PRES TO 1000# THEN BLEED OFF. NOW ACTS LIKE PMPING PAST AT 600#. PMPED 95 BBLS INTO 90 BBLS CSG VOLUME. RU CASEDHOLE AND RUN 2nd 4-1/2" CIBP. SET DOWN ON 1st CIBP AT 5850'. SET 2nd CIBP AT 5847'. POOH W/ EWL. PMP 20 BBLS. PRES TEST TO 1000#. LOST 150#. POSS GAS. BLEED OFF. SDFN
6/1/2012	7:00 - 7:15	0.25	MAINT	48		P		JSA- RIH. PRES TEST. CMT.
	7:15 - 10:00	2.75	MAINT	31	I	P		SICP 350. BWD. NO BLOW. LD 6-BAD JTS IN DERRICK. MU N.C. AND RIH ON 66-JTS. TBG BLOWING. EOT AT 2089'. CIRC 30 BBLS AROUND. PRES TEST TO 1000#. LOST 500# IN 5 MIN. POOH W/ TBG. WAIT ON PKR.
	10:00 - 14:30	4.50	MAINT	31	I	Z		MU 4-1/2" 32A TENSION PKR, PSN, AND RIH ON 64-JTS 2-3/8" L-80 TBG. SET PKR AT 2033'. TESTING TO 1000#. TEST BELOW PKR- LOST 75#. TEST ABOVE PKR LOST 500# AND GASSY. MOVE PKR TO 1780'. TEST BELOW PKR LOST 400# AND GASSY. TEST ABOVE PKR LOST 400#. MOVE PKR TO 1653'. TEST BELOW PKR LOST 150# AND WAS GASSY. TEST ABOVE PKR LOST 0#. RATS TEST PERFS AT 1686' AND 1926' APPEAR TO LEAK AND GIVE UP GAS. RELEASE PKR AND POOH. LD PKR.
	14:30 - 17:30	3.00	MAINT	31	I	P		MU N.C. AND RIH W/ 2-3/8" TBG. RIH W/ TBG. TAG CIBP SLM AT 5857' W/ 186-JTS IN. EOT AT 5855'. SDFN
6/4/2012	7:00 - 7:15	0.25	MAINT	48		P		JSA- CMT, LD TBG.
	7:15 - 11:30	4.25	MAINT	46	A	P		WAIT ON APPROVAL FROM STATE. RECIEVED AT 9:45. WAIT ON CMT TRUCKS. PMP 75 BBLS TMAC. PMP 80 BBLS PKR FLUID AS WAITING.

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 921-34L

Spud Date: 7/13/2006

Project: UTAH-UINTAH

Site: NBU 921-34L

Rig Name No: MILES 3/3

Event: WELL WORK EXPENSE

Start Date: 5/30/2012

End Date: 6/7/2012

Active Datum: RKB @5,018.99usft (above Mean Sea Level)

UWI: NBU 921-34L

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	11:30 - 16:30	5.00	MAINT	51	D	P		RU SUPERIOR CMT. JSA.  CMT #1- EOT AT 5855' W/ 186-JTS IN. PMP 5 BBLS FRESH. 10 SX 15.8# 'G' CMT (2 BBLS). DISPLACE W/ 21 BBLS FRESH. PULL 5 JTS TO 5701'. REV W/ 38 BBLS PKR FLUID.  CMT #2- PULL 26-JTS TO 4901'. PMP 20 SX 15.8# 'G' CMT (4 BBL). DISPLACE W/ 17 BBLS. PULL 9 JTS TO 4627'. REV W/ 28 BBLS PKR FLUID.  CMT #3- PULL 35-JTS TO 3526'. PMP 5 BBLS FRESH, 40 SX 15.8# 'G' CMT (8.2 BBLS). DISPLACE W/ 11 BBLS. PULL 17 JTS TO 2991'. REV W/ 16 BBLS PKR FLUID.  CMT #4- PULL 19-JTS TO 2380'. PMP 5 BBLS FRESH. PMP 20 SX 15.8# 'G' CMT (4 BBLS). DISPLACE W/ 7 BBLS FRESH. LD 8-JTS TO 2126'. REV W/ 12 BBLS PKR FLUID  PULL 20-JTS TBG, EOT AT 1491' W/ 47-JTS IN. SDFN.
6/5/2012	7:00 - 7:15	0.25	MAINT	48		P		JSA- RIH. POOH.
	7:15 - 8:30	1.25	MAINT	31	I	P		SITP #, SICP 100#. BWD. CONTROL TBG W/ 5 BBLS TMAC. RIH TO TAG CMT AT 2127' W/ 67-JTS IN. CIRC 30 BBLS TMAC. PRES TEST TO 1000#. LOST 700# IN 5 MIN, 850# IN 10 MIN. BLEED OFF PRES. POOH W/ 67-JTS 2-3/8" TBG.
	8:30 - 10:30	2.00	MAINT	31	I	P		MU 4-1/2" 32A PKR, PSN AND RUN ON 56-JTS 2-3/8" TBG. SET PKR AT 1786'. PRES TEST DOWN TBG TO PERFS AT 1926'. PRES TO 1000#. LOST 470# IN 5 MIN, LOST 565# IN 10 MIN. PRES TEST DOWN CSG TO PERFS AT 1686'. PRES TO 1000#. LOST 240# IN 5 MIN, 270# IN 10 MIN. RELEASE PKR. RIH TO 1942' W/ 61-JTS IN.
	10:30 - 15:00	4.50	MAINT	51	A	P		HSM. STAGE #1--MIX 15 SX, 15.8#, 'G' CMT W/ .2% DISPERSANT. PMP 8 BBLS FRESH, 3 BBLS CMT, DISPLACE W/ 6 BBLS FRESH. PULL 7-JTS UP TO 1720'. REV CLEAN W/ 12 BBLS. SET PKR. PRES TO 1500#. STEP, STAGE AND SQUEEZE TO 2000# FOR 1-HR. BLEED OFF PRES. RELEASE PKR FROM 1720'. STAGE #2- MIX 15 SX, 15.8#, 'G' CMT W/ .2% DISPERSANT. PMP 8 BBLS FRESH. PMP 3 BBLS CMT. DISPLACE W/ 5 BBLS. PULL 10-JTS UP TO 1403'. REV CLEAN W/ 10 BBLS. SET PKR AT 1403'. PRES TO 1500#. STEP, STAGE, AND SQUEEZE PRES TO 2000# FOR 1-HR. BLEED OFF PRESSURE. RELEASE PKR FROM 1403'. LD 2-JTS. HAVE 42-JTS IN, EOP AT 1340'. PRESSURE CSG TO 1000#. SWIFN.
6/6/2012	7:00 - 7:15	0.25	MAINT	48		P		JSA- POOH. RIH. D/O CMT.
	7:15 - 8:30	1.25	MAINT	31	I	P		SICP 200. BWD (SOME GAS). POOH W/ TBG. LD 32A PKR. RIH W/ 3-7/8" BIT, BIT SUB, XN ON 2-3/8" TBG. TAG CMT AT 1493'.

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 921-34L

Spud Date: 7/13/2006

Project: UTAH-UINTAH

Site: NBU 921-34L

Rig Name No: MILES 3/3

Event: WELL WORK EXPENSE

Start Date: 5/30/2012

End Date: 6/7/2012

Active Datum: RKB @5,018.99usft (above Mean Sea Level)

UWI: NBU 921-34L

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:30 - 17:00	8.50	MAINT	44	A	P		RU PWR SWIVEL. EST REV CIRC. D/O SOFT CMT FROM 1493' TO 1535'. D/O HARD CMT FROM 1535' TO 1715'. CIRC CLEAN. PRES TEST PERFS AT 1686' TO 500#. LOST 10# IN 30 MIN. EST REV CIRC AND CONT D/O CMT FROM 1715' TO 1945'. ON DOWN TO 1969' AND CIRC CLEAN. PRES TEST WELL W/ PERFS AT 1926' TO 500# FOR 30 MIN. LOST 10#. GOOD. TEST. SDFN W/ 62-JTS IN, EOT AT 1969'.
6/7/2012	7:00 - 7:15	0.25	MAINT	48		P		JSA- D/O CMT. LD TBG. RDSU.
	7:15 - 9:30	2.25	MAINT	44	A	P		SITP 0, SICP 0. CONT RIH TO D/O CMT. TAG CMT AT ' W/ -JTS IN. D/O TO 2170' W/ 68-JTS IN + 10' SUB. CIRC CLEAN. RD PWR SWIVEL. CIRC PKR FLUID.
	9:30 - 12:00	2.50	MAINT	31	I	P		POOH AS LD TBG. FILL CSG W/ PKR FLUID. RD FLOOR. ND BOP. NU WH. RACK OUT EQUIP. RDSU AND MO.





October 2, 2014

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple  
Ste. 1210  
Salt Lake City, UT 84116

RECEIVED  
OCT 09 2014  
DIV. OF OIL, GAS & MINING

**ATTENTION: Dustin Doucet**

RE: Extended Shut-in and Temporarily Abandoned Well Requirements for Fee or State Leases- UDOGM letter dated September 4, 2014

Dear Mr. Doucet,

We are in receipt of your letter dated September 4, 2014 regarding the shut-in and temporarily abandoned status of wells operated by Kerr-McGee Oil and Gas Onshore. All required sundry notices have been filed as requested in the letter. Some wells documented in the letter previously had Plug and Abandonment procedures and notice of intent sundry notices submitted. Anadarko intends to Plug and Abandon the applicable wells by the end of the first quarter-2015.

The attached list explains the current well statuses and go forward plans for each well documented in the September 4, 2014 letter.

Should you have any additional questions or concerns, please don't hesitate to contact me direct at (720) 929-6100 or via email at [andy.lytle@anadarko.com](mailto:andy.lytle@anadarko.com).

Sincerely,

A handwritten signature in black ink, appearing to be "A. Lytle".

Andy Lytle  
Regulatory Supervisor

WELL NAME	API	LEASE	YEARS INACTIVE	PRIOR NOTICE	COMMENTS
BONANZA 1023-16J	4304737092	ML22186A	7 YEARS 1 MONTH	2ND NOTICE	PA NOI Sundry submitted 10/03/2014.
NBU 921-34L	4304736388	STUO1194A	5 YEARS	2ND NOTICE	Sundry submitted 09/16/2014 for the conversion to a monitor well (Not previously reported in 2012) and yearly status for a monitor well.
CIGE 79D	4304730896	ML23612	4 YEARS 4 MONTHS	2ND NOTICE	Sundry submitted 09/16/2014, yearly status for a monitor well.
NBU 921-33J	4304736394	STUO015630	5 YEARS 2 MONTHS	2ND NOTICE	PA Sundry approved 07/09/2014, on rig schedule for week of October 6-2014.
CIGE 3-32-9-22	4304730320	ML22649	3 YEARS 11 MONTHS	1ST NOTICE	PA Sundry approved 08/07/2012, on rig schedule for week of October 6-2014.
NBU 31-12B	4304730385	ML01197A	2 YEARS 10 MONTHS	1ST NOTICE	PA Sundry approved 07/23/2013, on rig schedule for week of October 6-2014.
NBU 69N2	4304731090	U01194ST	3 YEARS 3 MONTHS	1ST NOTICE	PA NOI Sundry submitted 10/03/2014.
BONANZA 1023-20	4304735662	ML47062	1 YEAR 1 MONTH		Return to Production sundry submitted 10/03/2014. Producing since 04/25/2014, production accounting has been reporting production to UDOGM as of April 2014.
CIGE 140	4304731977	ML10755	1 YEAR		PA NOI Sundry submitted 10/02/2014.
CIGE 224	4304732883	ML2252	1 YEAR		PA NOI Sundry submitted 10/01/2014.
CIGE 239	4304733206	ML22582	1 YEAR 6 MONTHS		Return to Production sundry submitted 10/03/2014. Producing since 06/14/2014, production accounting has been reporting production to UDOGM as of June 2014.
CIGE 284	4304734792	ML23612	1 YEAR 2 MONTHS		Return to Production sundry submitted 10/03/2014. Producing since 03/29/2014, production accounting has been reporting production to UDOGM as of March 2014.
CIGE 5	4304730335	U01207AST	1 YEAR 3 MONTHS		Sundry submitted 10/03/2014. This well is currently surface commingled with the NBU 922-31JT-1T meter. The well was mistakenly made in-active, therefore production was not allocating. The well has been made active and is presently allocating. 12/17/2009 a sundry for surface commingling was approved by UDOGM.
HALL ET AL 31 18	4304730664	FEE	1 YEAR 1 MONTH		PA NOI Sundry submitted 09/30/2014.
MORGAN STATE 13-36	4304732817	ML22265	1 YEAR 11 MONTHS		PA NOI Sundry submitted 09/30/2014.
NBU 1021-16G	4304735111	ML10755	1 YEAR 4 MONTHS		PA NOI Sundry submitted 10/03/2014.
NBU 562-19E	4304737536	ML22792	1 YEAR		PA Sundry approved 07/09/2014, on rig schedule for week of October 6-2014.
STATE 1022-32I	4304735648	ML22798	1 YEAR 2 MONTHS		PA NOI Sundry submitted 09/30/2014.
TRIBAL 31-60	4304733340	ML28048	1 YEAR 2 MONTHS		Return to Production sundry submitted 10/03/2014. A new meter installed 09/30/2014, well is currently intermitting.
WONSITS ST 2-32	4304732819	ML47780	1 YEAR		PA NOI Sundry submitted 10/01/2014.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UO-1194-AST
<b>1. TYPE OF WELL</b> Test Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-34L
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2586 FSL 0379 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 34 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047363880000
<b>PHONE NUMBER:</b> 720 929-6100		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/14/2015	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="MONITOR WELL"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The NBU 921-34L remains a temperature monitor well for the NBU 921-34L SWD well as part of the EPA SWD monitoring well program.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> September 16, 2015		
<b>NAME (PLEASE PRINT)</b> Doreen Green	<b>PHONE NUMBER</b> 435 781-9758	<b>TITLE</b> Regulatory Analyst II
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/14/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UO-1194-AST
<b>1. TYPE OF WELL</b> Test Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> NBU 921-34L
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2586 FSL 0379 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSW Section: 34 Township: 09.0S Range: 21.0E Meridian: S		<b>9. API NUMBER:</b> 43047363880000
<b>PHONE NUMBER:</b> 720 929-6454		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/13/2016	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
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<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="MONITOR WELL"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The NBU 921-34L remains a temperature monitor well for the NBU 921-34L SWD well as part of the EPA SWD monitoring well program.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> September 16, 2016		
<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/13/2016	